



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सी०ई०एन० ०९/२०२५-७ वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु
CEN 09/2025 - Various Posts in Level 1 of 7th CPC Pay Matrix



RRB Group D 2025

Level-1 · CEN 09/2025 · General Intelligence & Reasoning · Question Paper Compilation

English

All 48 Shifts (Sets) · General Intelligence & Reasoning Section · Official Answer Key

About this Compilation

This booklet compiles all **48 shift papers** of the **RRB Group D (Level-1) 2025** examination (CEN 09/2025) in **English (General Intelligence & Reasoning)** section only, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions are grouped by subtopic within each section, so similar questions sit together.
- Diagram and wide-table questions appear at the end of their section at full width.
- The correct answer is highlighted in green with a tick.

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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) G Q E F O E E U H U R O M O U Y O B Z I S W (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 3

B. 4

C. 1

D. 2

**Q2 Alpha-Numeric Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. Three

B. Two



C. Four

D. One

Q3 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?
DWF ISG NOH SKI ?

A. YGJ

B. ZGL

C. YHK

D. XGJ

**Q4 Floor/Building Arrangement**

Seven boxes, A, B, C, D, E, F and G, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept above G. Only five boxes are kept above C. Only two boxes are kept between D and C. E is kept immediately below B. A is not the bottommost box. Which box is kept immediately above F?

A. G

B. D

C. C



D. A

Q5 Floor/Building Arrangement

E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. G lives on an even numbered floor but not on floor number 4. Only two people live between G and M. E lives on an odd numbered floor but not on the lowermost floor. Only two people live between E and F. L lives immediately below E. How many people live between H and L?

A. Three

B. Four

C. Two



D. One

Q6 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. Only three boxes are kept above Y. Only one box is kept between B and Y. Only three boxes are kept between B and G. G is kept at some place above Y. T is kept immediately below G. F is kept at one of the places above H. R is not kept immediately above or below B. How many boxes are kept below Y?

A. 1

B. 4

C. 2

D. 3



Q7 Letter to Number Mapping

In a certain code language, 'MINT' is coded as '2674' and 'TIME' is coded as '6827'. What is the code for 'E' in the given code language?

A. 8



B. 6

C. 7

D. 2

Q8 Letters in a Given Word

This question is based on the given words.

(Left) ABS DON WER FIR (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Four

C. Two



D. Three

Q9 Letters in a Given Word

This question is based on the given words.

FED BAT RIB TOP

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. One

C. None



D. Two

Q10 Letters in a Given Word

Each vowel in the word SAENCHY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

A. None

B. Three

C. Two

D. One



Q11 Linear Family Relations

L is the brother of C. N is the brother of R. T is the father of N. R is the daughter of C. How is L related to N?

A. Sister's son

B. Brother's son

C. Mother's brother



D. Sister's daughter

Q12 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6247518, what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

A. 2



B. 4

C. 8

D. 6

Q13 Missing Number

What should come in place of the question mark (?) in the given series?

211 239 253 281 295 323 ?

A. 355

B. 339

C. 337



D. 345

Q14 Operation Based

2 is related to 10 following a certain logic. Following the same logic, 4 is related to 18. To which of the following is 45 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 182



B. 180

C. 178

D. 184



Q15 Operation Based

63 is related to 21 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 105 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 63



B. 52

C. 40

D. 71

Q16 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$6 \div 5 + 10 \times 2 - 5 = ?$$

A. 34

B. 28

C. 30



D. 35

Q17 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 - 27 \times 3 \div 5 + 33 = ?$$

A. 42

B. 38



C. 36

D. 40

Q18 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AJM : IRU

OTP : WBX

A. BIL : JQT



B. CWA : KOI

C. QLP : WTX

D. NIT : FQB

Q19 Pattern Based

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SHOW : HSOW : HSWO

PAIR : APIR : APRI

A. CARE : ACER : ACRE

B. ZEAL : EZAL : EZLA



C. FIND : IFND : FNID

D. GAWK : AWGK : AGWK

Q20 Pattern Based

XYME is related to ABPH in a certain way based on the English alphabetical order. In the same way, LFHU is related to OIKX. To which of the following is INGV related, following the same logic?

A. LRKY

B. KPIX

C. LQJY



D. LRJZ

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. OM - LJ

B. MK - HY



C. RP - OM

D. TR - QO

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RS-WX

B. EF-IM



C. AB-FG

D. VW-AB



Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word DOUCELY is arranged in the English alphabetical order?

A. One



B. None

C. Two

D. Three

Q24 Shortest Distance

Rajesh starts from Point A and drives 51 km towards the east. He then takes a right turn, drives 56 km, turns right and drives 56 km. He then takes a right turn and drives 65 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 12 km to the north

B. 10 km to the south

C. 10 km to the north

D. 9 km to the south

**Q25 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only four people sit between O and Q. C sits to the immediate left of Q. Only one person sits between C and E. P sits at some place to the left of D.

How many people sit between P and D?

A. Two

B. None

C. One



D. Three

Q26 Single Row (One-way/Both-way)

Seven people C, D, J, R, T, V and Y are sitting in a row, facing north. Only two people sit to the left of T. Only three people sit between Y and J, neither of whom sits on the extreme ends. R sits immediately to the right of D. C sits immediately to the left of Y. How many people sit to the left of J?

A. Two

B. Five



C. Four

D. One

Q27 Symbol Based

In a certain code language,
'A # B' means 'A is the son of B',
'A % B' means 'A is the brother of B',
'A - B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M - H @ Y % U'?

A. Brother



B. Son

C. Father

D. Husband

Q28 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 5 # 7 @ 2 % 8 & 4 \$ 3 ! 9 * 6 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another symbol?

A. Three

B. One

C. Four

D. Six

**Q29 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All vines are stars.

No star is a rug.

Conclusions:

I: No rug is a vine.

II: Some rugs are vines.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows



C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow



Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All bags are purses.

No purse is a suitcase.

Conclusions:

(I) No bag is a suitcase.

(II) Some suitcases are purses.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows



C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the following number series and answer the question that follows (all numbers are single digit numbers only). Counting to be done from left to right only.

(Left) 2 7 5 6 9 8 1 9 9 7 2 3 4 1 6 2 7 5 1 8 9 (Right)

How many such odd digits are there, which are immediately preceded by an even digit and also immediately followed by a perfect square? (NOTE: 1 is also a perfect square.)

- A. One
- B. Three
- C. Two
- D. Four

**Q2 Alphabetical Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
ASW FPU KMS PJQ ?

- A. XIQ
- B. UGO
- C. WGP
- D. VHO

**Q3 Cardinal Direction Turns**

Ajay starts driving his car towards the north. After driving 10 m, he turns towards the left and drives 30 m. He then turns towards the right and drives 20 m. He finally turns towards the left and drives 10 m. In which direction is he facing now? (All turns are 90-degree turns only unless specified.)

- A. West
- B. East
- C. North
- D. South

**Q4 Day of Week Assignment**

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. U has exam on Friday. Only two people have exam between E and U. Only four people have exam between L and E. T has exam immediately after R. O doesn't have exam on Monday. How many people have exam between O and B?

- A. Four
- B. Three
- C. One
- D. Two

**Q5 Floor/Building Arrangement**

Seven boxes R, A, C, K, E, T and S are kept one over the other but not necessarily in the same order. Only three boxes are kept below C. Only two boxes are kept between C and R. Only E is kept above S. K is kept at some place below T and at some place above A. Which box is kept at second position from the bottom?

- A. E
- B. R
- C. A
- D. C

**Q6 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

H lives on an even-numbered floor but not on floor number 4. Only two people live between H and P. A lives on an odd-numbered floor but not on the lowermost floor. Only two people live between A and Y. S lives immediately below A.

How many people live between G and S?

- A. Four
- B. One
- C. Two
- D. Three



Q7 Letters in a Given Word

Each vowel in the word DERVISH is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. One
- B. Two
- C. None
- D. Three

**Q8 Letters in a Given Word**

Each vowel in the word DRAFTED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the left in the new group of letters thus formed?

- A. F
- B. D
- C. G
- D. E

**Q9 Mathematical Operations**

This question is based on the five, three-digit numbers given below.

(Left) 649 782 415 563 238 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the sum, if the third digit of the second number from left is added to the first digit of the fourth number from left?

- A. 6
- B. 7
- C. 9
- D. 8

**Q10 Mathematical Operations**

This question is based on the five, three-digit numbers given below.

(Left) 532 637 724 386 452 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- A. None
- B. Three
- C. Two
- D. One

**Q11 Mathematical Operations**

Each of the digits in the number 546598492 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- A. 10
- B. 11
- C. 12
- D. 13

**Q12 Missing Number**

What should come in place of the question mark (?) in the given series?

198 210 234 246 270 282 ?

- A. 301
- B. 306
- C. 303
- D. 311



Q13 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in the question? (NOTE – A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

$2 - 6 - 12 - 20$; $3 - 7 - 13 - 21$

A. $7 - 11 - 15 - 21$

B. $5 - 9 - 13 - 17$

C. $6 - 10 - 16 - 22$

D. $4 - 8 - 14 - 22$ ✓

Q14 Operation Based

15 is related to 46 following a certain logic. Following the same logic, 2 is related to 7. To which of the following is 8 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. $13 -$ Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 23

B. 29

C. 25 ✓

D. 27

Q15 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$35 \times 7 \div 9 - 28 + 31 = ?$

A. 38

B. 42 ✓

C. 44

D. 40

Q16 Operator Swap

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$33 - 7 \div 81 + 44 \times 22 = ?$

A. 305

B. 310 ✓

C. 320

D. 301

Q17 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HJF :: RTP : %

A. # = MKC , % = UKO

B. # = ELC , % = UWL

C. # = EGC , % = UWS ✓

D. # = KJC , % = UML

Q18 Pattern Based

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

AGENT : EGTNA : TGANE

WORLD : RODLW : DOWLR

A. CRAFT : ARCTF : TRCFA

B. CLOUD : LOUDC : COULD

C. EARTH : RAHTE : HAETR ✓

D. WATER : RATEW : TAWER

Q19 Pattern Based

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FSX : ANS

MVD : HQY

A. QFH : ODF

B. HWY : DSU

C. IXZ : FUV

D. JYA : ETV ✓



Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. FJ-MQ

B. BF-IM

C. HL-NU



D. SW-ZD

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. JK - NK



B. MN - QR

C. GH - KL

D. BC - FG

Q22 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only E sits to the left of D. Only three people sit between E and Q. Only C sits between O and Q.

How many people sit between P and O?

A. One

B. Three

C. Two



D. None

Q23 Single Row (One-way/Both-way)

Eight people Akhil, Binod, Charu, Deepak, Ekta, Firoj, Gaurav and Hira are sitting in a row, facing north. Only three people sit to the left of Ekta. Binod is an immediate neighbour of Ekta and sits third to the right of Akhil. Deepak sits third to the left of Charu. Firoj is not an immediate neighbour of Charu. Charu sits second to left of Hira. Who sits at the extreme left end of the line?

A. Binod

B. Akhil

C. Firoj



D. Deepak

Q24 Symbol Based

In a certain code language,
 $A + B$ means 'A is the wife of B',
 $A - B$ means 'A is the sister of B',
 $A \times B$ means 'A is the father of B' and
 $A \div B$ means 'A is the brother of B'.

How is M related to S if ' $M \times N - O + P \div S$ '?

A. Sister's husband

B. Mother's father

C. Brother's son

D. Brother's wife's father

**Q25 Symbol Based**

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B', and
 $A \# B$ means 'A is the daughter of B'.

How is Q related to G if ' $N \# G \times L \% R \% Q \# K$ '?

A. Husband's mother

B. Brother's wife

C. Son's daughter



D. Husband's sister

Q26 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) B B H J \$ H & J K + ? N + ? \$ & H ^ G # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. =

B. #

C. ?



D. +



Q27 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) A S # P L \$ % T U I \$ * M < > S + A @ * & A W ? % A Z Y & @ E \$ R (Right)

How many such consonants are there, each of which is immediately preceded by a symbol and immediately followed by a vowel?

A. 1



B. 3

C. 4

D. 2

Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

(I) F is shorter than R but taller than H

(II) H is taller than U but shorter than T

Both statements (I) and (II) together are NOT

A. sufficient to answer the question, but neither alone is sufficient.



B. Both statements (I) and (II) together are sufficient to answer the question.

C. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

D. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some laptops are watches.

No watch is a computer.

Conclusions:

(I) Some laptops are computers.

(II) Some watches are laptops.

A. Only conclusion (I) follows

B. Only conclusion (II) follows



C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some books are papers. No book is a towel.

Conclusion (I): Some papers are towels.

Conclusion (II): No towel is a paper.

A. Neither conclusion (I) nor (II) follows



B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Only conclusion (I) follows



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 4 9 1 3 6 4 8 9 7 2 5 3 4 6 8 4 1 5 6 7 4 2 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Two

B. Four

C. Three

D. Five

Q2 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) R A J A R A N I R A D H A R A N I F A S H I O N U P P E R Q (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. One

B. Three

C. Two

D. Four

Q3 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) X G Q C D H D C B H K Q R O F A J E Z U O (Right)

How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. Two

B. Three

C. Four

D. One

Q4 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?
EMC HOD KQE NSF ?

A. PWH

B. OVH

C. OUG

D. QUG

Q5 Day of Week Assignment

Each of P, B, N, L, C, G and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only four people have exams before B. G has exam on Tuesday. L has exam immediately after P but not on Thursday. C does not have exam before V. N does not have exam after V. How many people have exams between N and B?

A. Three

B. Four

C. One

D. Two

Q6 Day of Week Assignment

Each of C, E, R, T, A, I and N has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has exam on Friday. Only two people have exam between E and C. Only four people have exam between I and E. A has exam immediately after R. N doesn't have exam on Monday.

How many people have exam between N and T?

A. Four

B. One

C. Three

D. Two



Q7 Facing Center

C, D, J, R, T, V and Y are sitting around a circular table facing the center. Only two people sit between Y and D when counted from the right of Y. Only three people sit between R and T when counted from the right of T. D sits to the immediate right of T. V sits to the immediate right of J. How many people sit between V and T when counted from the right of T?

A. 1

B. 2



C. 3

D. 4

Q8 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

P sits third to the right of O. Only three people sit between O and D when counted from the left of O. C sits to the immediate right of E.

How many people sit between E and Q when counted from the right of E?

A. None

B. One

C. Three

D. Two

**Q9 Floor/Building Arrangement**

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

G lives on an odd numbered floor but not 5. The sum of floors on which G and D live is 5. Only 3 people live between D and H. S lives immediately above F. What is the sum of floors on which G and F live?

A. 8

B. 7



C. 6

D. 5

Q10 Letters in a Given Word

This question is based on the following words.

BUN PET COG DAI

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Two

B. None

C. Three

D. One

**Q11 Letters in a Given Word**

Each vowel in the word BRISANT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. None



B. Three

C. Two

D. One

Q12 Linear Family Relations

S is the daughter of E. E is the wife of L. N is the mother of K. N is the sister of L. How is N related to S?

A. Father's mother

B. Daughter

C. Wife

D. Father's sister

**Q13 Mathematical Operations**

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 812347695, what will be the sum of all the odd digits in the new number thus formed?

A. 17

B. 20

C. 24



D. 22



Q14 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 421 736 589 340 275 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What is the difference between the second digit of the largest number and the first digit of the smallest number?

A. 4

B. 1



C. 3

D. 2

Q15 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5783614, what will be the difference between the highest and lowest digits in the new number thus formed?

A. 5

B. 7

C. 4

D. 6

**Q16 Missing Number**

What should come in place of the question mark (?) in the given series?

67 76 94 121 157 ?

A. 196

B. 186

C. 177

D. 202

**Q17 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as that followed in question? (NOTE – A two/three digit number cannot be broken into individual digits for operations; e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

8 – 32 – 128 – 512 ; 2 – 8 – 32 – 128

A. 3 – 12 – 48 – 192



B. 4 – 16 – 64 – 200

C. 5 – 15 – 75 – 375

D. 6 – 12 – 27 – 81

Q18 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 – 26 – 30 – 60

3 – 6 – 10 – 20

A. 4 – 8 – 12 – 24



B. 12 – 15 – 30 – 60

C. 16 – 32 – 64 – 70

D. 14 – 16 – 32 – 68

Q19 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

9 – 34 + 38 × 18 ÷ 27 = ?

A. -13

B. -14



C. -16

D. -12



Q20 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WYA :: VXZ : %

A. # = RTV , % = ACE



B. # = RVX , % = ACE

C. # = RTV , % = ABF

D. # = RTU , % = ZBD

Q21 Pattern Based

YFQC is related to AHSE in a certain way based on the English alphabetical order. In the same way, XVKJ is related to ZXML. To which of the following is WNAP related, following the same logic?

A. YPCR



B. YPBQ

C. ZQDS

D. YQCS

Q22 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : IPR

EAT : LHA

A. PIC : WPJ



B. MIT : TQB

C. YEL : HLE

D. NET : GLA

Q23 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QNL

B. VSP



C. AXV

D. YVT

Q24 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. DCF

B. WVV

C. BAD

D. AAC

**Q25 Rearrangement of Letters**

Each letter in the word EUCHRAD is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. E

B. F



C. D

D. I

Q26 Shortest Distance

Raghav starts from Point A and drives 22 km towards the north. He then takes a left turn, drives 24 km, turns left and drives 38 km. He then takes a left turn and drives 41 km. He takes a final left turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 19 km to the east

B. 17 km to the west



C. 16 km to the west

D. 18 km to the east

Q27 Shortest Distance

Mr. Jigme starts from Point A and drives 29 km towards the west. He then takes a left turn, drives 11 km, turns left and drives 46 km. He then takes a left turn, drives 36 km, turns left and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 16 km to the south



B. 16 km to the east

C. 9 km to the west

D. 9 km to the north



Q28 Symbol Based

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B',
A % B means 'A is the father of B', and
A # B means 'A is the daughter of B'.

How is K related to G if 'L + G # P % Q + K × Z'?

A. Sister's daughter



B. Brother's wife

C. Mother

D. Wife's mother

Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) V is taller than D but shorter than N. V is shorter than only one stick.

(II) D is taller than H.

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not



B. Both statements I and II together are NOT sufficient to answer the question

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q30 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, F, R, H, U and T each having a different height, which pole is the tallest?

(I) F is taller than U but shorter than T. F is shorter than only one pole

(II) U is taller than R

A. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.



B. Both statements (I) and (II) together are sufficient to answer the question, but neither alone is sufficient.

C. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

D. Both statements (I) and (II) together are not sufficient to answer the question.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Thursday. Exactly 4 people have their exam between R and U, neither of whom has an exam on Sunday. Q has an exam immediately before W. T does not have an exam on Friday. R does not have an exam after W.

Who has an exam immediately after E?

A. R

B. Y

C. U

D. W

Q2 Day of Week Assignment

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only two people have exam before E. Only one person has exam after U. Only three people have exam between E and O. Only one person has exam between L and B. R has exam immediately before L. How many people have exam between T and L?

A. One

B. Three

C. Four

D. Two

Q3 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

Only three people sit between E and Q when counted from the right of E. E sits second to the left of O. P sits third to the left of O. C is an immediate neighbor of both Q and O. How many people sit between D and C when counted from the right of D?

A. Three

B. None

C. One

D. Two

Q4 Facing Center

Seven people, P, Q, S, T, U, V, and W, are sitting around a circular table, facing the centre of the table. Only W sits between U and P. P sits third to the left of S. V sits immediately to the left of S. Q is not an immediate neighbour of P. Based on the given information, who is sitting second to the right of T?

A. S

B. Q

C. V

D. P

Q5 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y kept one over the other but not necessarily in the same order. No box is kept above R. Only three boxes are kept between R and B. Only one box is kept between Y and H. H is kept immediately above B. Only four boxes are kept between Y and G. F is kept at some place above T. How many boxes are kept below T?

A. 3

B. 1

C. 4

D. 2

Q6 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

ILA KOF MRK OUP ?

A. QYV

B. RYU

C. QXU

D. PYW

Q7 Letter to Number Mapping

In a certain code language, 'DEAL' is coded as '5714' and 'EARL' is coded as '8541'. How is 'R' coded in that language?

A. 1

B. 4

C. 8

D. 5



Q8 Mathematical Operations

If 2 is added to each even digit and 2 is added to each odd digit in the number 3761254, what will be the sum of the last two and the first two digits in the new number thus formed?

A. 23

B. 27 

C. 20

D. 29

Q9 Missing Number

What should come in place of the question mark (?) in the given series?

295 299 308 324 349 ?

A. 396

B. 368

C. 371

D. 385 **Q10 Multiple Turns**

Mr. Sangay starts from Point A and drives 26 km towards the north. He then takes a left turn, drives 19 km, turns left and drives 12 km. Next, he takes a right turn, drives 15 km, turns left and drives 42 km. He then takes a left turn and drives 39 km. He takes a final left turn, drives 28 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

A. 5 km towards the west 

B. 12 km towards the north

C. 16 km towards the east

D. 12 km towards the south

Q11 Number Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 8 4 5 3 2 4 5 7 8 9 7 8 5 6 4 3 2 1 4 5 6 3 4 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit?

(NOTE: 1 is also a perfect square.)

A. One 

B. Two

C. None

D. Three

Q12 Operation Based

91 is related to 182 following a certain logic. Following the same logic, 104 is related to 208. To which of the given options is 117 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 243

B. 221

C. 256

D. 234 **Q13 Operation Based**

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

16 - 22

13 - 19

A. 2 - 8 

B. 6 - 16

C. 45 - 59

D. 10 - 17

Q14 Operator Swap

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

 $56 - 3 \div 19 + 81 \times 9 = ?$

A. 182

B. 184

C. 175

D. 178 

Q15 Operator Swap

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$4\ B\ 2\ D\ 18\ A\ 6\ C\ 3\ =\ ?$$

A. 2

B. 5

C. 8

D. 6

Q16 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

EIM : OSW

HLP : RVZ

A. LPT : VYC

B. SWA : CGK

C. GLQ : JNR

D. NRV : XBE

Q17 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QRU :: FGJ : %

A. # = LMH , % = KMP

B. # = LMP , % = KLO

C. # = LMD , % = KMS

D. # = LMB , % = KMJ

Q18 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VAN-AFS

FKX-KPC

A. PUH-ZUM

B. POH-UZM

C. PUH-UZM

D. UZM-PUC

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. ML - IK

B. ON - KJ

C. SR - ON

D. FE - BA

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QWB

B. SYD

C. AGL

D. IOU

Q21 Shifting Pattern (+1, +2, etc.)

Each letter in the word HUMECTS is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. N

B. T

C. I

D. F

Q22 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

(Left) SKY ITS NOT LTD (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three

D. One



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Q23 Shifting Pattern (+1, +2, etc.)

Each vowel in the word EXPLAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

A. C

B. A

C. D

D. B

**Q24 Shifting Pattern (+1, +2, etc.)**

This question is based on the given words.

TEA BUN PEN VAN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. None

B. One



C. Three

D. Four

Q25 Symbol Based

In a certain code language,

'A # B' means 'A is the son of B',

'A % B' means 'A is the brother of B',

'A - B' means 'A is the wife of B' and

'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H - Y % U'?

A. Brother's wife's brother



B. Wife's brother

C. Wife's father

D. Brother's wife's father

Q26 Symbol Based

In a certain code language,

A ^ B means 'A is the wife of B',

A ! B means 'A is the brother of B',

A £ B means 'A is the father of B' and

A € B means 'A is the sister of B'.

Based on the above, how is P related to U if 'P ^ Q £ S € T ! U'?

A. Sister

B. Mother



C. Mother's sister

D. Wife

Q27 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) K L # O ^ & A M B + S # % @ A S X C V B ? Y \$ % + * S W L P T ? B G % Y (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 2

B. 3



C. 5

D. 4

Q28 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) * & * 1 % < > 5 \ / * @ 4 1 < + ? * \$ + 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

A. 2

B. 3



C. 1

D. 4



Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five people – **Riya, Sanjay, Tanu, Umesh, and Varsha** – are seated in a single row facing west.

Who is seated third from the left end?

(I) Only one person is sitting between Riya and Sanjay.

Tanu is an immediate neighbour of Riya.

(II) Varsha is sitting at the extreme right end, and Umesh is sitting immediately to the left of Varsha.

A. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

B. Both statements I and II together are NOT sufficient to answer the question



C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

D. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

Q30 Word to Code Mapping

In a certain code language, 'blue sky high' is coded as 'ka pe su' and 'high above all' is coded as 'su qr lm'. How is 'high' coded in the given language? (All the codes are two-letter codes only.)

A. lm

B. su



C. ka

D. qr



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) B G P W P Z L Q J K V I V Z E R I F F M I (Right)

How many such consonants are there each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. Two
- B. Four
- C. One
- D. Three

**Q2 Day of Week Assignment**

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. T has an exam on Friday. Exactly three people have an exam between R and U, neither of whom has an exam on Sunday. W has an exam immediately after E. Q has an exam immediately before U. Who has an exam immediately after W?

- A. T
- B. U
- C. R
- D. E

**Q3 Facing Center**

A, B, C, D, E, and F are sitting in a circle, facing the center. D sits to the immediate left of F. B sits third to the right of D. Only two people sit between E and C when counted from the left of E. A is the immediate neighbor of E. How many people sit between F and B when counted from the left of B?

- A. None
- B. Three
- C. Two
- D. One

**Q4 Forming Meaningful Word**

How many meaningful five-letter English words can be formed using O, N, W, M and A using all the letters but each letter only once in each word?

- A. None
- B. Two
- C. One
- D. More than two

**Q5 Group Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
YDB UHE QLH MPK ?

- A. OPS
- B. NTO
- C. NTL
- D. ITN

**Q6 Letter to Number Mapping**

In a certain code language, 'NUKE' is coded as '6148' and 'UREN' is coded as '9418'. What is the code for 'R' in the given code language?

- A. 4
- B. 9
- C. 8
- D. 1

**Q7 Letter to Number Mapping**

In a certain code language, 'BOST' is coded as '7816' and 'STOM' is coded as '8764'. What is the code for 'M' in the given code language?

- A. 6
- B. 7
- C. 8
- D. 4



Q8 Letter to Number Mapping

In a certain code language, 'BARK' is coded as '1849' and 'RACK' is coded as '6941'. What is the code for 'C' in the given code language?

A. 1

B. 6



C. 4

D. 9

Q9 Letters in a Given Word

This question is based on the given words.

RED BUS HOP FIT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. One



B. Two

C. None

D. Four

Q10 Linear Family Relations

K is married to M. E is the mother of V. T is married to E. M is the sister of V. How is T related to K?

A. Wife's sister

B. Husband's mother

C. Sister's husband

D. Wife's father

**Q11 Missing Number**

What should come in place of the question mark (?) in the given series?

185 210 246 295 359 ?

A. 433

B. 401

C. 411

D. 440

**Q12 Multiple Turns**

Mr. Norzang starts from Point A and drives 19 km towards South. He then takes a right turn, drives 29 km, turns right and drives 12 km. He then takes a right turn and drives 16 km. He then takes a right turn, drives 8 km, turns left and drives 2 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 7 km to the South

B. 11 km to the West

C. 7 km to the North

D. 11 km to the East

**Q13 Operation Based**

39 is related to 117 following a certain logic. Following the same logic, 46 is related to 138. To which of the given options is 54 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 156

B. 168

C. 174

D. 162

**Q14 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8 - 10 - 12 - 24

12 - 14 - 16 - 32

A. 9 - 11 - 13 - 24

B. 11 - 13 - 15 - 32

C. 10 - 12 - 14 - 28



D. 16 - 18 - 20 - 28



Q15 Operator Swap

If 'P' stands for '+', 'Q' stands for '-', 'R' stands for '÷' and 'S' stands for '×', what will come in place of the question mark (?) in the following equation?

$$4\ S\ 5\ P\ 21\ Q\ 7\ R\ 1 = ?$$

A. 30

B. 34



C. 44

D. 39

Q16 Operator Swap

If '+' means 'subtraction', '-' means 'multiplication', '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$15 \times 5 \div 12 - 2 + 11 = ?$$

A. 27

B. 20

C. 16



D. 23

Q17 Operator Swap

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$68 - 2 \div 21 + 63 \times 9 = ?$$

A. 150



B. 170

C. 140

D. 160

Q18 Pattern Based

KG 1 is related to MH 4 in a certain way. In the same way, QQ 9 is related to QR 12. To which of the given options is SM 5 related, following the same logic?

A. UN 8



B. NQ 12

C. OP 14

D. NP 14

Q19 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VWS :: YZV : %

A. # = WXT , % = XYU



B. # = WZV , % = XYU

C. # = WXT , % = XXV

D. # = WXS , % = WXT

Q20 Pattern Based

RKZG is related to MEUA in a certain way based on the English alphabetical order. In the same way, JNCL is related to EHXF. To which of the following is ADMQ related to, following the same logic?

A. VYHJ

B. VXHK



C. WYIJ

D. WXYK

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ECZ

B. JHE

C. DBX



D. RPM

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. KM - PR

B. PR - UW

C. DF - IL



D. RT - WY



Q23 Position from Left/Right

In a class of 27 students, Neha is ranked 6th from the top. What is her rank from the bottom?

- A. 21st
- B. 22nd
- C. 23rd
- D. 20th

Q24 Position from Left/Right

Amit is standing in a row of 35 people facing north. He is 10th from the left end. If Sunil stands 5th to the left of Amit, what is Sunil's position from the left end?

- A. 8th
- B. 11th
- C. 5th
- D. 6th

Q25 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word BYCEPAL is arranged in the English alphabetical order?

- A. Two
- B. Three
- C. One
- D. None

Q26 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

FUN TOP MIX LED

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. Two
- B. None
- C. One
- D. Three

Q27 Single Row (One-way/Both-way)

Six people C, D, E, O, P and Q are sitting in a row facing north. Only two people sit to the left of Q. Only two people sit between Q and O. P sits second to the left of O. Only one person sits between P and E. D sits at some place to the left of C. How many people sit to the right of D?

- A. Four
- B. Five
- C. Three
- D. Two

Q28 Symbol Based

In a certain code language,
A ^ B means 'A is the father of B',
A # B means 'A is the brother of B',
A Ω B means 'A is the daughter of B' and
A ± B means 'A is the wife of B'.

Based on the above, how is C related to R if 'C Ω L ^ M ± P # R'?

- A. Mother's mother's sister
- B. Sister
- C. Brother's wife's sister
- D. Mother's mother

Q29 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) H 5 K & D # 6 G 7 A L % J Q 4 B F 9 @ Y 2 P S 8 C
(Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a number?

- A. Four
- B. One
- C. Two
- D. Three



Q30 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) L P # & M N + A S \$ % @ H J L P @ & X ? W B H P L &
+ X Z F % ? W @ P L (Right)

If all the symbols are dropped, then how many letters are there in the English alphabetical series between the letter that is fourth from the right end and the letter that is fourth from the left end of the series?

A. 8

B. 10

C. 5

D. 7



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.
No box is kept above D. Only two boxes are kept between D and Y. Only one box is kept between D and G. E is kept immediately below Y. Only four boxes are kept between D and X.
How many boxes are kept between F and X?

- A. Two
B. Four
C. One
D. Three

**Q2 Floor/Building Arrangement**

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.
The product of floors on which S and F live is 20. Only 3 people live between S and A. D lives immediately below G.
How many people live below G?

- A. 1
B. 4
C. 2
D. 3

**Q3 Group Pattern**

What should come in place of ? in the given series based on the English alphabetical order?
BLQ EQP HVO KAN ?

- A. NFM
B. OPM
C. MFN
D. MEP

**Q4 Letter Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Y U A J K Y M Y Y P K Z M U V G I A O (Right)

How many such consonants are there each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. Two
B. One
C. Three
D. Four

**Q5 Letter Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U R M B G C H O Y A I E P I G U Q U Q (Right)

How many such vowels are there each of which is immediately preceded by a vowel and also immediately followed by a consonant?

- A. One
B. Two
C. Three
D. Four

**Q6 Linear Family Relations**

N is the wife of Z. K is the daughter of N. Q is the mother of Z. How is Q related to K?

- A. Mother's mother
B. Husband's mother
C. Father's mother
D. Son's wife

**Q7 Mathematical Operations**

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1742683, how many digits will appear more than once in the new number thus formed?

- A. 1
B. 0
C. 3
D. 2



Q8 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 583 912 467 351 294 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What is the sum of the first digit of the lowest number and the third digit of the highest number?

A. 8

B. 7

C. 4



D. 6

Q9 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 762 311 197 263 393 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE: All operations to be done from left to right.

What will be the resultant if the first digit of the lowest number is subtracted from the first digit of the highest number?

A. 5

B. 6



C. 7

D. 9

Q10 Missing Number

What should come in place of the question mark (?) in the given series?

216 224 240 264 296 ?

A. 331

B. 336



C. 328

D. 324

Q11 Operation Based

68 is related to 34 following a certain logic. Following the same logic, 84 is related to 42. To which of the given options is 56 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 36

B. 32

C. 28



D. 24

Q12 Operation Based

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

5 - 27

7 - 51

A. 1 - 3



B. 9 - 85

C. 45 - 70

D. 3 - 12

Q13 Operator Swap

If '+' means 'subtraction', '-' means multiplication, '×' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$88 \times 4 + 7 - 2 \div 6 = ?$

A. 14



B. 10

C. 17

D. 22



Q14 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$15 - 2 \div 48 \times 24 + 24 = ?$$

A. -5



B. -3

C. -4

D. -7

Q15 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

RJP : UHR

MLM : PJO

A. PLL : SJM

B. JVI : MTK



C. WKT : ZIU

D. GRI : JOK

Q16 Pattern Based

DJ 14 is related to JP 16 in a certain way. In the same way, PM 11 is related to VS 13. To which of the given options is HF 17 related, following the same logic?

A. NK 15

B. NL 19



C. NO 15

D. NS 12

Q17 Pattern Based

OGRU is related to JBMP in a certain way based on the English alphabetical order. In the same way, ZEKP is related to UZFK. To which of the given options is FWLA related, following the same logic?

A. NFQC

B. BTDH

C. DEGV

D. ARGV

**Q18 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IGD

B. GEB

C. QPL



D. OMJ

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EH-KN

B. PS-VY

C. IL-NT



D. GJ-MP

Q20 Position from Left/Right

Apourva ranked 25th from the bottom and 21st from the top in his class. How many students are there in his class?

A. 46

B. 43

C. 45



D. 44

Q21 Rearrangement of Letters

Each letter in the word REFLECTION is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fifth from the left and the one which is third from the right in the new letter cluster thus formed?

A. 7

B. 6

C. 8

D. 5



Q22 Shifting Pattern (+1, +2, etc.)

Each vowel in the word COLLAGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

A. J

B. K 

C. M

D. L

Q23 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

No one sits to the right of P. Only three people sit between P and D. Only two people sit between D and C. E sits second to the left of O.

How many people sit between Q and E?

A. Three

B. None

C. One

D. Two **Q24 Single Row (One-way/Both-way)**

Seven people, D, H, J, L, S, T and Y are sitting in a row, facing the north.

Only two people sit to the left of J. Only three people sit between J and Y. H sits second to the right of J. Only two people sit between H and L. S sits at some place to the right of T but at some place to the left of D.

How many people sit to the left of L?

A. Three

B. Five

C. One 

D. Four

Q25 Symbol Based

In a certain code language,

'A # B' means 'A is the son of B',

'A % B' means 'A is the brother of B',

'A - B' means 'A is the wife of B' and

'A @ B' means 'A is the father of B'.

How is S related to U if 'S # M @ H % Y - U'?

A. Father

B. Wife's brother 

C. Brother

D. Wife's father

Q26 Symbol Included Pattern

Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 4 2 @ 5 % 9 8 + 3 6 @ 1 5 ! # ^ 7 @ # 5 & ? 9 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 1

B. 3 

C. 7

D. 5

Q27 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, D,R,C,Z and Y each having a different height, which pole is the tallest?

(I) R is shorter than D but taller than C

(II) Z is taller than Y

A. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

B. Each statement alone is sufficient to answer the question.

C. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

D. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient. 

Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) D is taller than H. H is taller than N.

(II) N is shorter than V but taller than Y.

A. Both statements I and II together are NOT sufficient to answer the question 

B. Data in Statement I alone is sufficient to answer the question while data in statement II is not

C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some moons are stars. Some moons are white.

Conclusion (I): At least some whites are stars.

Conclusion (II): Some whites are moons.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Only conclusion (II) follows



D. Both conclusions (I) and (II) do not follow

Q30 Word to Code Mapping

In a certain code language, 'sun shines bright' is coded as 'fa lo ti' and 'moon shines too' is coded as 'za lo mn'. How is 'shines' coded in the given language? (All the codes are two-letter codes only.)

A. lo



B. za

C. fa

D. ti



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Facing Center

P, Q, R, S, T, and U are sitting around a circular table, facing the center.

S sits second to the right of Q. Only two people sit between Q and T when counted from the right of Q. P sits to the immediate right of T. U sits to the immediate left of S. Who sits to the immediate right of P?

A. U

B. R

C. S

D. Q

Q2 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

D sits third to the left of E. Only one person sits between E and Q when counted from the left of Q. Only one person sits between O and P when counted from the right of O. Who sits third to the right of C?

A. Q

B. D

C. P

D. E

Q3 Floor/Building Arrangement

E, F, G, H, L and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on, till the topmost floor is numbered 6. Only H lives below M. Only L lives above G. E lives immediately below G. How many people live between F and H?

A. Four

B. Three

C. One

D. Two

Q4 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

WBE REJ MHO HKT ?

A. CNY

B. BMT

C. DNZ

D. DMX

Q5 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: PSX :: EHM : %

A. # = MPU , % = HKP

B. # = OIU , % = KIP

C. # = MOI , % = IJP

D. # = MNU , % = PLP

Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OQO :: HJH : %

A. # = LNL , % = KMK

B. # = LPN , % = KMK

C. # = LNL , % = KLL

D. # = LNK , % = JLJ

Q7 Letter Analogy

FKSU is related to ZEMO in a certain way based on the English alphabetical order. In the same way, JMQL is related to DGKF. To which of the following is NYBO related to, following the same logic?

A. HSVI

B. HTVJ

C. ISUJ

D. ISUI



Q8 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) L B I R P N U U S J Y U U A P Z I A X A O E (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 4



B. 6

C. 3

D. 5

Q9 Letters in a Given Word

Each vowel in the word CAUTERY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

A. None

B. Two

C. Three

D. One

**Q10 Mathematical Operations**

This question is based on the five, three-digit numbers given below.

(Left) 264 591 267 173 761 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE: All operations to be done from left to right.

What will be the resultant if the first digit of the highest number is added to the second digit of the lowest number?

A. 15

B. 13

C. 14



D. 17

Q11 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 761 793 523 591 791 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 10

B. 14

C. 12



D. 11

Q12 Missing Number

What should come in place of the question mark (?) in the given series?

195 201 213 231 255 ?

A. 279

B. 292

C. 277

D. 285

**Q13 Multiple Turns**

Pramod starts from Point A and drives 36 km towards the south. He then takes a right turn, drives 45 km, turns right and drives 41 km. He then takes a right turn and drives 56 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 13 km to the east

B. 10 km to the west

C. 15 km to the east

D. 11 km to the west



Q14 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of mathematical operations as followed in the two sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

15-225-235-245

22-484-494-504

A. 21-441-461-471

B. 18-324-314-304

C. 19-361-371-391

D. 16-256-266-276

**Q15 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

11 – 22 – 44 – 88 ; 13 – 26 – 52 – 104

A. 12 – 24 – 48 – 90

B. 15 – 30 – 60 – 120



C. 16 – 32 – 64 – 100

D. 14 – 28 – 56 – 98

Q16 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$5 \div 2 + 12 \times 4 - 3 = ?$$

A. 8

B. 10



C. 12

D. 9

Q17 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$7 \div 36 \times 4 - 27 + 13 = ?$$

A. 79

B. 75

C. 77



D. 81

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PNL

B. ONK



C. AYW

D. IGE

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GI-IN



B. BD-EG

C. NP-QS

D. JL-MO

Q20 Position from Left/Right

Gaurav ranked 14th from the top and 98th from the bottom in his class. How many students are there in his class?

A. 113

B. 112

C. 110

D. 111



Q21 Position from Left/Right

In a row of people all facing North, Gyalmu is 9th from the right end. Akol is 11th from the right end. Akol is exactly between Gyalmu and Victoria. If Victoria is 2nd from the left end of the line, how many people are there in the row?

A. 11

B. 12

C. 14



D. 13

Q22 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word BUSGIRL is arranged in the English alphabetical order?

A. Two

B. Three

C. None

D. One

**Q23 Rearrangement of Letters**

Each of the digits in the number 354892716 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. One



C. Three

D. None

Q24 Symbol Based

In a certain code language,
'A # B' means 'A is the son of B',
'A % B' means 'A is the brother of B',
'A - B' means 'A is the wife of B' and
'A @ B' means 'A is the father of B'.

How is M related to K if 'M # E % W - P @ K'?

A. Mother's sister's son

B. Mother's son

C. Brother's son

D. Mother's brother's son

**Q25 Symbol Based**

In a certain code language,

A ^ B means 'A is the wife of B',

A ! B means 'A is the brother of B',

A £ B means 'A is the father of B' and

A € B means 'A is the son of B'.

Based on the above, how is P related to U if 'P ! Q € S £ T ^ U'?

A. Mother

B. Wife

C. Daughter

D. Wife's brother

**Q26 Symbol Included Pattern**

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) O G © K S 6 C % J 2 7 7 Y M & W 1 \$ Y © € © (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

A. 6

B. C



C. 7

D. J

Q27 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) C N M + M & % F \$ # S @ B H J \$ H & J K + (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. @

B. +

C. %



D. #



Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than only two sticks. D is taller than N but shorter than Y.

(II) V is taller than H.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together are NOT sufficient to answer the question
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. 
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All teachers are professionals.

All professionals are doctors.

Conclusions:

(I) Some doctors are teachers.

(II) All teachers are doctors.

- A. Both conclusions (I) and (II) follow 

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All cups are bowls.

No cup is a tank.

Conclusions:

(I) Some tanks are bowls.

(II) All bowls are tanks.

A. Only conclusion (II) follows

- B. Neither conclusion (I) nor (II) follows 

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

C sits fourth to the left of E. D sits fourth to the right of Q.

Only two people sit between E and Q when counted from the left of E. O is not an immediate neighbor of E.

Who sits third to the right of P?

A. C



B. D

C. O

D. Q

Q2 Facing Center

W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table.

I sits third to the left of N. Only one person sits between N and W when counted from the left of W. Only two people sit between S and E when counted from the right of E. R is an immediate neighbor of S. Who sits third to the right of T?

A. W

B. S

C. I



D. R

Q3 Floor/Building Arrangement

L, B, C, D, G and M live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only five people live below G. Only two people live between M and G. L lives immediately below C but not on an odd-numbered floor. B does not live on an even-numbered floor.

How many people live between D and C?

A. Two



B. Three

C. Four

D. One

Q4 Floor/Building Arrangement

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

F lives on an even numbered floor but not 4. The sum of floors on which F and H live is 9. Only 3 people live between G and D. The sum of floors on which S and D live is 3. What is the sum of floors on which A and G live?

A. 11

B. 10

C. 8

D. 9



Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

JPT INQ HLN GJK ?

A. FHH



B. FHI

C. FIH

D. FII

Q6 Letters in a Given Word

Each vowel in the word CONTAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

A. P



B. O

C. Q

D. R

Q7 Linear Family Relations

E is the father of F. F is the mother of G. G is the wife of H. How is F related to H?

A. Husband

B. Mother

C. Husband's Mother

D. Wife's Mother



Q8 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 131 419 169 214 899 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the first digit of the lowest number?

A. 10



B. 11

C. 13

D. 9

Q9 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 531 579 211 298 567 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

A. 12

B. 8



C. 9

D. 7

Q10 Missing Number

What should come in place of the question mark (?) in the given series?

93 100 114 135 163 ?

A. 201

B. 196

C. 203

D. 198

**Q11 Multiple Turns**

Kiran starts from point B and drives 15 km towards South. He then takes a left turn, drives 8 km, turns right, and drives 5 km. He then takes a right turn and drives 8 km. Finally, he takes a right turn, drives 13 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point B again? (All turns are 90-degree turns only unless specified.)

A. 5 km towards East

B. 7 km towards North



C. 6 km towards East

D. 7 km towards West

Q12 Multiple Turns

Mr. Samten starts from Point A and drives 15 km towards south. He then takes a left turn, drives 9 km, again turns left and drives 42 km. Next, he takes a left turn, drives 11 km, turns left and drives 17 km. He then takes a right turn and drives 10 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

A. 12 km towards south

B. 16 km towards north

C. 16 km towards west

D. 12 km towards east

**Q13 Multiple Turns**

Mahek starts from Point A and drives 53 km towards north. He then takes a left turn, drives 65 km, turns left and drives 68 km. He then takes a left turn and drives 67 km. He takes a final left turn, drives 15 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the south

B. 2 km to the west



C. 2 km to the east

D. 1 km to the west



Q14 Operation Based

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

11 – 31

2 – 22

A. 45 – 96

B. 5 – 35

C. 19 – 35

D. 9 – 29

**Q15 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

5 – 20 – 16 – 64 ; 7 – 28 – 24 – 96

A. 11 – 21 – 17 – 69

B. 6 – 24 – 20 – 80



C. 9 – 36 – 33 – 120

D. 8 – 32 – 28 – 120

Q16 Operator Swap

If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$12 - 2 + 48 \times 3 \div 14 = ?$$

A. 27

B. 11

C. 22



D. 16

Q17 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$41 - 25 + 2 \times 1 \div 15 = ?$$

A. 36



B. 37

C. 34

D. 38

Q18 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$4 \div 3 + 16 \times 4 - 4 = ?$$

A. 10

B. 8

C. 6

D. 12

**Q19 Pattern Based**

KRPM is related to QXVS in a certain way based on the English alphabetical order. In the same way, FMKH is related to LSQN. To which of the following is AHFC related, following the same logic?

A. GNIL

B. NGLI

C. GNLI



D. NGIL

Q20 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RLQ :: QKP : %

A. # = OLN, % = TNU

B. # = PON, % = TJU

C. # = OOI, % = YYS

D. # = OIN, % = TNS



Q21 Pattern Based

PURE is related to URWB in a certain way based on the English alphabetical order. In the same way, RING is related to WFSD. To which of the given options is SOUL related, following the same logic?

A. XLZI



B. NPIL

C. XZIL

D. NLPI

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. DIO

B. EJP

C. JOT



D. AFL

Q23 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HMI



B. WAX

C. FJG

D. OSP

Q24 Position from Left/Right

Harish ranked 54th from the top and 78th from the bottom in his class. How many students are there in his class?

A. 131



B. 130

C. 133

D. 132

Q25 Shifting Pattern (+1, +2, etc.)

Each vowel in the word COLLECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be first from the right in the new group of letters thus formed?

A. F

B. K

C. S



D. B

Q26 Symbol Based

In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

How is S related to N if 'S - E × W ÷ T + N'?

A. Father

B. Mother's sister

C. Mother's brother



D. Brother

Q27 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) E B M + ? # N \$ @ + ? N P % F \$ E R T # + # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. \$

B. @

C. +



D. =



Q28 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) # 3 & * 7 @ \$ 8 * > 4 4 \ 2 3 \ & 8 7 / # (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. 1



B. 3

C. 2

D. 0

Q29 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) X # \$ L K M O > ? A S + T % @ A P & ? X Z R @ * + # I O ? & @ E R \$ Y U ? (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a letter?

A. 3

B. 2



C. 1

D. 4

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All books are pens.

No pen is a paper.

Conclusions:

(I) Some books are papers.

(II) No book is a paper.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows



D. Both conclusions (I) and (II) follow



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Facing Center

W, I, N, T, E, R and S are sitting around a circular table facing the centre of the table.

R sits fourth to the right of N. Only two people sit between S and W when counted from the left of S. I sits third to the left of E. T is an immediate neighbor of E and W. How many people between R and T when counted from the left of T?

- A. One
- B. Two
- C. Three
- D. Four



Q2 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept above X. Only one box is kept between X and G. Only two boxes are kept between Y and G. D is kept immediately below G. X is kept at one of the places above E.

How many boxes are kept between F and X?

- A. Three
- B. One
- C. Two
- D. Four



Q3 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only three boxes are kept below Y. Only two boxes are kept between Y and G. Only B is kept above H. F is kept at some place below T and at some place above R. How many boxes are kept below F?

- A. 3
- B. 4
- C. 2
- D. 1



Q4 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

EJW DHV CFU BDT ?

- A. ABR
- B. ACS
- C. ACR
- D. ABS



Q5 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QPT-UTX

FEI-JIM

- A. WVZ-ZZC
- B. SRV-WVZ
- C. WUX-ZYC
- D. WUX-AZD



Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SVX :: GJL : %

- A. # = ILD , % = QTH
- B. # = ILN , % = QTV
- C. # = ILN , % = QLP
- D. # = IRN , % = QTL



Q7 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SVP :: RUO : %

- A. # = PSM, % = UXP
- B. # = PSM, % = UXR
- C. # = PNB, % = POR
- D. # = PJH, % = TRR



Q8 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) W P A P I W I U T X S Z M T Q F W B Z (Right)

How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. Four

B. Two

C. One



D. Three

Q9 Letter to Number Mapping

In a certain code language, 'PARK' is coded as '6795' and 'RACK' is coded as '9562'. How is 'C' coded in that language?

A. 6

B. 5

C. 2



D. 9

Q10 Letters in a Given Word

This question is based on the following words.

(Left) TSO MUD FAN KID (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. One

D. Three

**Q11 Letters in a Given Word**

This question is based on the given words.

RUN FAR TON OLD

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Three



B. One

C. None

D. Two

Q12 Letters in a Given Word

Each vowel in the word CLIMATE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

A. S

B. L

C. B



D. F

Q13 Letters in a Given Word

Each vowel in the word BOUNCED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

A. A

B. D

C. B



D. C

Q14 Mathematical Operations

If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 5216438, how many digits will appear more than once in the new number thus formed?

A. Two

B. None



C. One

D. Three



Q15 Missing Number

What should come in place of the question mark (?) in the given series?

391 406 436 481 541 ?

A. 659

B. 622

C. 639

D. 616

**Q16 Operation Based**

145 is related to 174 following a certain logic. Following the same logic, 158 is related to 187. To which of the following is 169 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 205

B. 198



C. 176

D. 189

Q17 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

16 – 22 – 48 – 38; 9 – 15 – 34 – 24

A. 6 – 12 – 20 – 10

B. 18 – 24 – 52 – 62

C. 14 – 20 – 44 – 34



D. 8 – 14 – 24 – 14

Q18 Operator Swap

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$41 - 4 \div 36 + 39 \times 3 = ?$

A. 151

B. 187



C. 142

D. 136

Q19 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and ' $\times$ ' and ' $\div$ ' are interchanged?

$30 + 12 \times 2 - 8 \div 4 = ?$

A. 103

B. 100

C. 102

D. 56

**Q20 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XU – YV

B. WT – XU

C. XV – YZ



D. VS – WT

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZDA

B. MQN

C. KPL



D. LPM



Q22 Position from Left/Right

All 73 people standing in a row are facing North. Denise is 38th from the right end while Lorenz is 44th from the left end. How many people are there between Denise and Lorenz?

A. 5

B. 4

C. 6

D. 7

**Q23 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit between O and P. Only Q sits to the right of C. P sits immediately to the left of C. D sits at some place to the right of E.

How many people sit between Q and E?

A. One

B. Three



C. Two

D. None

Q24 Symbol Based

In a certain code language,

$A \wedge B$ means 'A is the wife of B',

$A ! B$ means 'A is the mother of B',

$A \pounds B$ means 'A is the father of B' and

$A \in B$ means 'A is the daughter of B'.

Based on the above, how is P related to U if ' $P \wedge Q \pounds S ! T \in U$ '?

A. Wife's mother



B. Sister

C. Mother

D. Mother's sister

Q25 Symbol Based

In a certain code language,

$A + B$ means 'A is the sister of B',

$A - B$ means 'A is the brother of B',

$A \times B$ means 'A is the wife of B' and

$A \div B$ means 'A is the father of B'.

How is S related to N if ' $S + E - W \div T \times N$ '?

A. Wife's father's sister



B. Wife's mother

C. Wife's father's mother

D. Wife's sister

Q26 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) ? 4 ^ / 6 < 2 7 % \$ 4 \$ 6 9 # 3 9 @ 4 < > (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

A. 3

B. 4

C. 2



D. 1

Q27 Symbol Included Pattern

Refer to the following number and symbol series and answer the question that follows. (All numbers are single-digit numbers only.)

(Left) 2 # 1 ^ 5 \$ @ 8 + & 5 \$ 2 ! 9 + ? ^ 4 @ 5 8 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 5

B. 9

C. 1

D. 8

**Q28 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Av, Bg, Cz, Dy and Em are sitting around a circular table, facing the centre. Who sits to the immediate right of Cz?

(I) Dy sits second to the right of Em. Bg sits to the immediate left of Dy.

(II) Em sits to the immediate left of Bg. Dy is the immediate neighbour of Av and Bg.

A. Data in statements I and II together are NOT sufficient to answer the question

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

C. Data in statement I alone is sufficient to answer the question while data in statement II is not

D. Data in statement II alone is sufficient to answer the question while data in statement I is not



Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some wheels are chairs.

No chair is a table.

Conclusion (I): Some wheels are tables.

Conclusion (II): Some tables are wheels.

A. Both conclusion (I) and conclusion (II) definitely follow

B. Only conclusion (I) definitely follows

C. Both conclusion (I) and conclusion (II) definitely do not follow



D. Only conclusion (II) definitely follows

Q30 Word to Code Mapping

In a certain code language, 'good morning all' is coded as 'xy pq lm' and 'all the best' is coded as 'lm ct uv'. How is 'all' coded in the given language? (All the codes are two-letter codes only.)

A. xy

B. lm



C. uv

D. pq



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30 Questions • Answer Key

Q1 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. T has an exam on Wednesday. Exactly three people have an exam between T and U. Q has an exam immediately after E and W has an exam immediately before E. Only three people have an exam between R and E. Who has an exam immediately after Y?

A. T



B. U

C. Q

D. R

Q2 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table.

Only one person sits between D and O when counted from the left of O. D sits third to the left of P. Q sits to the immediate right of P. E is not an immediate neighbor of O. Who sits third to the right of C?

A. Q



B. O

C. E

D. P

Q3 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. Only four boxes are kept between H and G. Only R is kept above H. Only two boxes are kept between T and F. Y is kept immediately above B. F is not kept immediately above Y. How many boxes are kept below T?

A. 3

B. 1

C. 2

D. 4



Q4 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
CPT EQV GRX ISZ ?

A. JUB

B. KUB

C. JTA

D. KTB



Q5 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JLI-KMJ

MOL-NPM

A. YAX-ZBY



B. YAX-YBX

C. YZV-YAX

D. YZV-ZBY

Q6 Letter Analogy

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JSR : HVU

FOL : DRO

A. KUJ : IWM

B. EVH : CYK



C. ORO : MUQ

D. LJM : JMO

Q7 Letter Analogy

JRYH is related to HPWF in a certain way based on the English alphabetical order. In the same way, VGLW is related to TEJU. To which of the given options is ZRPE related, following the same logic?

A. XPNC



B. CXNP

C. PCXN

D. NCXP

Q8 Letter to Number Mapping

In a certain code language, 'OPEN' is coded as '5718' and 'ONCE' is coded as '9187'. What is the code for 'C' in the given code language?

A. 8

B. 7

C. 1

D. 9



Q9 Letters in a Given Word

This question is based on the following words.

(Left) GIR PVT DEC NOW (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three

D. One

Q10 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 342 339 531 568 319 (Right)

(Example: $697 - \text{First digit} = 6$, $\text{second digit} = 9$ and $\text{third digit} = 7$)

NOTE - All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

A. 7

B. 8

C. 9

D. 10

Q11 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4168327, what will be the difference of the digits which are second from the left and second from the right in the new number thus formed?

A. 2

B. 0

C. 3

D. 1

Q12 Mathematical Operations

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 72659314, what will be the sum of the second digit from the left and the third digit from the right in the new number thus formed?

A. 8

B. 12

C. 4

D. 6

Q13 Missing Number

What should come in place of the question mark (?) in the given series?

192 203 225 258 302 ?

A. 368

B. 357

C. 378

D. 376

Q14 Multiple Turns

Ritwik starts from Point A and drives 23 km towards the east. He then takes a right turn, drives 14 km, turns right and drives 26 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the north

B. 7 km to the south

C. 5 km to the south

D. 7 km to the north

Q15 Number Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 4 1 7 5 2 8 9 1 6 3 2 7 4 1 3 7 9 5 3 6 8 3 4 1 2 7 5

(Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. One

B. None

C. Two

D. Three



Q16 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 2 8 3 7 4 7 1 6 1 3 1 3 9 3 6 6 5 6 7 4 8 4 9 1 9 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 6



B. 5

C. 8

D. 7

Q17 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

6 – 2 – 15 – 31; 8 – 4 – 17 – 35

A. 13 – 9 – 64 – 129

B. 9 – 5 – 18 – 37



C. 10 – 6 – 25 – 51

D. 7 – 3 – 16 – 31

Q18 Operation Based

210 is related to 315 following a certain logic. Following the same logic, 180 is related to 270. To which of the given options is 240 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 300

B. 360



C. 420

D. 390

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XB-AG

B. CG-FL

C. FJ-LO



D. EI-HN

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. LJ - GF



B. JH - EC

C. RP - MK

D. NL - IG

Q21 Position from Left/Right

All 44 people standing in a row are facing North. Henry is 16th from the right end while Alexa is 9th from the left end. How many people are there between Henry and Alexa?

A. 18

B. 19



C. 17

D. 16

Q22 Rearrangement of Letters

Each letter in the word ANALYST is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter-cluster thus formed?

A. 8

B. 6

C. 4

D. 7



Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word HISTOGRAM is arranged in the English alphabetical order?

A. 0

B. 1



C. 3

D. 2

Q24 Single Row (One-way/Both-way)

Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north.

Only five people sit between S and Y. D sits to the immediate left of Y. Only one person sits between D and T. H sits at some place to the left of J but at some place to the right of L.

How many people sit to the left of H?

A. Three

B. One

C. Two



D. Four

Q25 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Et related to Cp if ' $Cp \times Sj - Qn \# Et + Gy$ '?

A. Husband's sister

B. Son's wife

C. Brother's wife

D. Husband's mother

**Q26 Symbol Based**

In a certain code language,
 $'A + B'$ means 'A is the sister of B',
 $'A - B'$ means 'A is the brother of B',
 $'A \times B'$ means 'A is the wife of B' and
 $'A \div B'$ means 'A is the father of B'.

How is S related to N if ' $S + E \div W - T \times N$ '?

A. Wife's father's mother

B. Father's sister

C. Wife's father's sister



D. Wife's sister

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) E L £ F 8 8 \$ & S 9 L 7 * I © Y 1 M 3 \$ S V (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

A. F

B. \$



C. £

D. &

Q28 Symbol Substitution

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$3 B 2 D 28 A 7 C 4 = ?$

A. 12

B. 8

C. 6



D. 4

Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five students – Kriti, Mehul, Nisha, Ojas, and Pranav – scored different marks in a test.

Who scored the lowest marks?

(I) Mehul scored higher than exactly three students.

(II) Kriti scored higher than Nisha but lower than Ojas. Pranav did not score the lowest.

A. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

B. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

C. Both statements I and II together are NOT sufficient to answer the question

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question



Q30 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than N

(II) S is taller than T. U is only shorter than one Stick

- A. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- B. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.
- C. Both statements I and II together are NOT sufficient to answer the question 
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of B, F, N, K, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. B has exam on Friday. Only five people have exams after U. Only one person has exam between F and U. K has exam immediately before T. V does not have exam on Monday. How many people have exams between V and B?

A. One



B. Three

C. Two

D. Four

Q2 Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Only three people sit between L and D when counted from the right of D. K and F are immediate neighbours of D. G sits immediately to the right of H. K is not an immediate neighbour of J.

How many people sit between G and J when counted from the left of G?

A. 4



B. 3

C. 2

D. 1

Q3 Facing Center

Seven students I, J, K, P, Q, R and Z are sitting around a circular table facing the center of the table. Q sits third to the left of K. Only two people sit between R and J when counted from the left of J. P sits to the immediate right of K. P sits second to the left of R. Z is not an immediate neighbor of Q. Who sits second to the right of I?

A. K



B. R

C. Z

D. P

Q4 Floor/Building Arrangement

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on, till the topmost floor is numbered 6. A lives on an odd numbered floor but not 3. The sum of floors on which A and S live is 7. D lives immediately below F. H lives on the top floor. What is the sum of floors on which H and G live?

A. 7



B. 8

C. 6

D. 5

Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

BDF HJL NPR TVX ?

A. ZBD



B. ZBC

C. YZA

D. YAC

Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: SNQ :: JEH : %

A. # = PGN, % = MHL

B. # = OPN, % = MBN

C. # = PJI, % = BGK

D. # = PKN, % = MHK



Q7 Letter Analogy

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

FTN : IWL

JSU : MVS

A. HWL : KZI

B. KWQ : NYO

C. JLJ : MOG

D. NGJ : QJH



Q8 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DZA-XTU
YUV-SOP

- A. SNN-LHI
- B. SOP-LII
- C. SNN-MIJ
- D. SOP-MIJ

**Q9 Letter Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) W N E U S X J U C G Z A D R M I A G Y E A Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. 5
- B. 3
- C. 4
- D. 2

**Q10 Letters in a Given Word**

Each vowel in the word CHEMIST is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

- A. Q
- B. T
- C. S
- D. R

**Q11 Letters in a Given Word**

This question is based on the given words.

FAX KEY POT GYM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. None
- B. One
- C. Two
- D. Four

**Q12 Letters in a Given Word**

This question is based on the following words.

WAR ITS NOT BET

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. Two
- B. One
- C. Three
- D. Four

**Q13 Missing Number**

What should come in place of the question mark (?) in the given series?

51 55 63 75 91 ?

- A. 111
- B. 116
- C. 102
- D. 124



Q14 Multiple Turns

Mr. Nima starts from Point A and drives 26 km towards south. He then takes a right turn, drives 31 km, turns right and drives 42 km. Next, he takes a right turn, drives 25 km, turns right and drives 11 km. He then takes a left turn and drives 14 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only, unless specified.)

A. 8 km towards west



B. 10 km towards north

C. 6 km towards east

D. 10 km towards south

Q15 Multiple Turns

Karan starts from Point A and drives 12 km towards north. He then takes a left turn, drives 8 km, turns left and drives 14 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

A. 5 km to the east

B. 5 km to the west



C. 6 km to the east

D. 6 km to the west

Q16 Operation Based

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13 - 28

20 - 42

A. 5 - 14

B. 11 - 23

C. 5 - 13

D. 17 - 36

**Q17 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

2 - 6 - 18 - 38 ; 3 - 9 - 27 - 47

A. 4 - 8 - 16 - 40

B. 5 - 15 - 45 - 65



C. 6 - 18 - 36 - 76

D. 7 - 14 - 28 - 58

Q18 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$3 \div 2 + 15 \times 3 - 5 = ?$

A. 5

B. 6



C. 8

D. 4

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. CIN

B. HNT



C. KQV

D. JPU

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. XXT



B. CBY

C. YXU

D. NMJ



Q21 Position from Left/Right

Tarun ranked 49th from the top and 69th from the bottom in his class. How many students are there in his class?

A. 118

B. 117



C. 119

D. 116

Q22 Rearrangement of Letters

Each of the digits in the number 81532976 is arranged in the ascending order from left to right. Which of the following digits will be fourth from the left in the new number thus formed?

A. 7

B. 5



C. 3

D. 6

Q23 Rearrangement of Letters

Each of the digits in the number 31598756 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

A. 10



B. 8

C. 11

D. 9

Q24 Rearrangement of Letters

Each letter in the word LANDMARK is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is fourth from the left and the one that is second from the right in the new letter-cluster thus formed?

A. 3

B. 5

C. 2



D. 4

Q25 Symbol Based

In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

Based on the above, how is S related to N if 'S × E ÷ W - T + N'?

A. Wife

B. Sister

C. Mother



D. Daughter

Q26 Symbol Based

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B',
A % B means 'A is the father of B' and
A # B means 'A is the daughter of B'.

How is Fb related to Yt if 'Fb # Ki × Tn % Ec × Yt'?

A. Wife's sister



B. Mother's sister

C. Daughter's husband

D. Sister's husband

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) & B @ 8 X 9 * \$ J @ P 4 L 4 @ & 5 @ F # € 5 (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

A. \$



B. *

C. @

D. 4



Q28 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) G # M + B & H % \$ F # E ^ & W @ W \$ D S ! (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. ?

B. +

C. @

D. \$

**Q29 Word to Code Mapping**

In a certain code language, 'five minutes only' is coded as 'ta bs yk' and 'only the truth' is coded as 'cz ta gp'. How is 'only' coded in that language? (All the codes are two-letter codes only.)

A. ta



B. yk

C. bs

D. gp

Q30 Word to Code Mapping

In a certain code language, 'may get prize' is coded as 'gm qv bn' and 'get more water' is coded as 'kp bn tz'. How is 'get' coded in that language? (All the codes are two-letter codes only.)

A. kp

B. qv

C. bn



D. tz



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Analogy

UX 4 is related to QT 12 in a certain way. In the same way, GJ 6 is related to CF 18. To which of the following is LO 8 related to following the same logic?

A. HJ 24

B. IK 23

C. HK 24



D. IL 21

Q2 Day of Week Assignment

Each of A, B, C, D, E, F, and G has an exam on a different day of the week, starting from Monday and ending on Sunday of the same week. A has an exam on Tuesday. F has an exam immediately after A. Only one person has an exam between F and B. C has an exam immediately after B. D has an exam immediately after C. No one has exam before G.

On which day does E have an exam?

A. Thursday



B. Wednesday

C. Monday

D. Friday

Q3 Floor/Building Arrangement

Six boxes, D, E, F, G, X and Y, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept below D. Only two boxes are kept between D and F. Only E is kept above Y. X is kept at some place above G.

How many boxes are kept between F and X?

A. Two

B. One



C. Three

D. Four

Q4 Floor/Building Arrangement

H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

M lives on floor number 6. Only three people live between M and H. L lives on a floor below H. N lives on an even-numbered floor. I lives on an odd-numbered floor but not on floor number 5.

How many people live between J and H?

A. One

B. Three

C. Two



D. Four

Q5 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HIE DEA ZAW VWS ?

A. RRN

B. RTN

C. RSO



D. RSU

Q6 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

XBF-CGK

YCG-DHL

A. XAD-BFJ

B. XAD-CGK

C. JNR-OSW



D. JNS-PSW



Q7 Letter Analogy

CJGE is related to IPMK in a certain way based on the English alphabetical order. In the same way, GNKI is related to MTQO. To which of the following is KROM related, following the same logic?

A. QYUR

B. QXUS



C. QXSU

D. QXUR

Q8 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T J C U J D C Y P S U V Y R T W K V U H Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. None

B. Two

C. One

D. Three



Q9 Letter to Number Mapping

In a certain code language, 'VEIN' is coded as '7462' and 'EASY' is coded as '9537'. How is 'E' coded in that language?

A. 5

B. 4

C. 9

D. 7



Q10 Letters Between Two Positions

This question is based on the following words.

(Left) SAD DIM CRY GYM (Right)

How many letters are there in the English alphabetical order between the third letter of the second word from the left and the second letter of the second word from the right?

A. 3

B. 4



C. 7

D. 5

Q11 Letters in a Given Word

This question is based on the following letter-clusters.

BOC TWE JVN HEQ

In each of the letter-clusters, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. Four

D. One

Q12 Letters in a Given Word

Each vowel in the word COMBINE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. B

B. A



C. F

D. M

Q13 Linear Family Relations

E is wife of F. F is father of G. G is mother of H. How is E related to H?

A. Mother's Mother



B. Wife's Mother

C. Mother

D. Sister

Q14 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1735862, what will be the sum of the highest and lowest digits in the number thus formed?

A. 7

B. 8



C. 9

D. 6



Q15 Missing Number

What should come in place of the question mark (?) in the given series?

136 149 164 181 200 ?

A. 247

B. 221



C. 295

D. 285

Q16 Multiple Turns

Kartik starts from Point A and drives 19 km towards the south. He then takes a left turn, drives 13 km, turns left and drives 24 km. He then takes a left turn and drives 22 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the west

B. 9 km to the east



C. 9 km to the west

D. 8 km to the east

Q17 Number Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 9 2 7 8 9 1 2 3 9 3 5 6 6 4 1 7 8 6 7 5 1 9 8 4 5 7 4
(Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. None

B. Four

C. Three



D. Two

Q18 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 4 9 2 1 7 2 8 3 4 9 8 3 9 7 9 8 5 2 6 7 2 1 1 2 2 1
(Right)

How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?

A. 6

B. 7

C. 5



D. 4

Q19 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, a certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE – A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits.)

15 – 18 – 26 – 22 ; 20 – 23 – 31 – 27

A. 6 – 9 – 17 – 21

B. 12 – 9 – 17 – 13

C. 14 – 11 – 19 – 15

D. 8 – 11 – 19 – 15

**Q20 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

14 – 28 – 56 – 112 ; 16 – 32 – 64 – 128

A. 17 – 34 – 68 – 130

B. 15 – 30 – 60 – 100

C. 18 – 36 – 72 – 144



D. 20 – 40 – 90 – 180



Q21 Operator Swap

What will come in place of the '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$231 \div 61 \times 427 - 321 + 217 = ?$$

A. 173

B. 137

C. 317

D. 117

Q22 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 - 12 \div 3 + 10 \times 2 = ?$$

A. 37

B. 39

C. 36

D. 56

Q23 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. VL - YO

B. PG - TK

C. SJ - WN

D. MD - QH

Q24 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VY-XA

B. WZ-YB

C. JM-KQ

D. HK-JM

Q25 Rearrangement of Letters

Each letter in the word ATTRACT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter-cluster thus formed?

A. 16

B. 17

C. 19

D. 15

Q26 Single Row (One-way/Both-way)

Seven people, N, F, X, G, Q, T and M, are sitting in a row, facing the north.

Only two people sit between F and N. Only T sits to the right of X. Only one person sits between N and X. G sits at some place to the right of Q but at some place to the left of M.

How many people sit to the left of G?

A. Three

B. One

C. Two

D. Four

Q27 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit to the right of C. Only two people sit between E and C. C sits to the immediate left of D. P sits to the immediate right of D. Only one person sits between E and Q.

How many people sit between O and P?

A. Two

B. Three

C. One

D. None

Q28 Symbol Based

In a certain code language,

A # B means 'A is the mother of B',

A + B means 'A is the daughter of B',

A ÷ B means 'A is the wife of B' and

A @ B means 'A is the father of B'.

How is A related to T if 'A # B + H @ K ÷ T'?

A. Wife's sister

B. Wife's sister's daughter

C. Wife's mother

D. Mother's mother



Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the shortest?

(I) N is taller than Y.

(II) D is taller than N. V is only shorter than one stick.

- A.** Both statements I and II together are NOT sufficient to answer the question 
- B.** Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C.** Data in Statement I alone is sufficient to answer the question while data in statement II is not
- D.** Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q30 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Ah, Bt, Ci, Du and Ez are sitting around a circular table, facing the centre. Who sits second to the left of Ah?

(I) Du sits second to the left of Ez. Ci sits to the immediate left of Ez.

(II) Bt sits to the immediate left of Du. Ez sits second to the right of Du.

- A.** Data in statement I alone is sufficient to answer the question while data in statement II is not
- B.** Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question 
- C.** Data in statements I and II together are NOT sufficient to answer the question
- D.** Data in statement II alone is sufficient to answer the question while data in statement I is not



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) H R I F K R L L J W K L G O Q G Q X M P U (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. Three

B. Two

C. None

D. One

Q2 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?

MTX LSW KRV JQU ?

A. HPT

B. HOS

C. IPT

D. IOV

Q3 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the shortest?

(I) T is taller than only two Sticks. S is taller than T but shorter than N

(II) U is taller than R

A. Both statements I and II together are NOT sufficient to answer the question

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q4 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Only three people sit between K and Q. Only two people sit between K and R when counted from the right of K. Only two people sit between R and J. Z sits to the immediate left of I.

Who sits fourth to the left of P?

A. I

B. Z

C. R

D. K

Q5 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T.

Which box is kept second above T?

A. S

B. J

C. Q

D. I

Q6 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live between P and S. Only G lives above H. Y lives on an even numbered floor. P lives on the lowermost floor.

How many people live between A and G?

A. Three

B. One

C. Four

D. Two



Q7 Floor/Building Arrangement

S, T, U, V, Y and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only T lives above S. Y lives immediately below S. Only U lives below Z.

Who lives on floor number 3?

A. Z

B. U

C. V

D. S

Q8 Letters in a Given Word

This question is based on the following words.

FON MEN OPS PVT

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. One

C. Two

D. Four

Q9 Letters in a Given Word

This question is based on the following words.

BAS HIS JEM BOL

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. One

C. Two

D. Three

Q10 Letters in a Given Word

Each vowel in the word COLLEGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

A. K

B. P

C. B

D. F

Q11 Missing Number

What should come in place of the question mark (?) in the given series?

141 118 96 75 55 ?

A. 36

B. 46

C. 43

D. 32

Q12 Multiple Turns

Priyanshu starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 12 km, turns right and drives 24 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 9 km to the west

B. 9 km to the east

C. 7 km to the west

D. 7 km to the east

Q13 Operation Based

21 is related to 86 following a certain logic. Following the same logic, 29 is related to 118. To which of the following is 33 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 134

B. 130

C. 132

D. 136



Q14 Operation Based

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

101 – 90

43 – 32

A. 82 – 71



B. 65 – 55

C. 99 – 89

D. 47 – 37

Q15 Operation Based Coding

In a certain code language "DPKA" is coded as "44" and "QZGK" is coded as "73". What is the code for "RZOI" in the given language?

A. 69

B. 71

C. 88

D. 80

**Q16 Operator Swap**

If + means –, – means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$1125 - 5 \div 314 + 224 \times 4 = ?$$

A. 5183

B. 5883



C. 5381

D. 5533

Q17 Operator Swap

If + means –, – means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$26 - 6 \div 34 + 40 \times 8 = ?$$

A. 195

B. 155

C. 185



D. 135

Q18 Operator Swap

If × means –, ÷ means ×, + means ÷ and – means +, then what will come in place of the question mark (?) in the following equation?

$$2 \div 6 \times 15 + 3 - 5 = ?$$

A. 13

B. 14

C. 15

D. 12

**Q19 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RSU :: HIK : %

A. # = NOQ, % = LKO

B. # = NOQ, % = LUO

C. # = NOQ, % = LMO



D. # = NOQ, % = LSD

Q20 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: TNQ :: SMP : %

A. # = QUI, % = BVS

B. # = ION, % = VDF

C. # = QQN, % = VPP

D. # = QKN, % = VPS

**Q21 Pattern Based**

TQ 13 is related to YV 6 in a certain way. In the same way, LI 18 is related to QN 11. To which of the following is NK 22 related to following the same logic?

A. QN 18

B. SQ 15

C. SP 15



D. TQ 13



Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EF – IM



B. RS – WX

C. VW – AB

D. AB – FG

Q23 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EAW

B. LHD

C. TPL

D. HEZ

**Q24 Rearrangement of Letters**

Each letter in the word CONCEPT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter-cluster thus formed?

A. 2

B. 1



C. 3

D. 0

Q25 Single Row (One-way/Both-way)

Seven people, D, H, J, L, S, T and Y, are sitting in a row, facing the north.

Only two people sit between S and J. Only L sits to the right of H. Only one person sits between J and H. D sits at some place to the right of T but at some place to the left of Y. How many people sit to the left of H?

A. Three

B. Four

C. Two

D. Five

**Q26 Symbol Based**

In a certain code language,
 $A + B$ means 'A is the sister of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \div B$ means 'A is the father of B'.

How is S related to N if ' $S + E - W \times T \div N$ '?

A. Sister

B. Mother's mother

C. Mother's sister



D. Mother

Q27 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Yk related to Eq if ' $Eq - Vc + Tg \# Yk \% Np$ '?

A. Wife's brother

B. Mother's brother

C. Sister's daughter

D. Sister's husband

**Q28 Symbol Included Pattern**

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 5 @ % & 2 7 & 4 Ω 3 & 8 1 % 6 * 9 # £ (Right)

How many such symbols are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

A. One

B. None

C. Three

D. Two



Q29 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) P C ? J 8 * \ & / W ? 3 6 R M G V R 4 T M Z J S (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a number?

A. One



B. Two

C. None

D. Three

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements

Statements: Some fishes are whales. No whale is an octopus.

Conclusion (I) : Some fishes are octopuses

Conclusion (II) : Some whales are fishes

A. Both conclusions I and II follow

B. Only conclusion II follows



C. Neither conclusion I nor II follows

D. Only conclusion I follows



General Intelligence & Reasoning

30 Questions · Answer Key

Q1 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days after Thursday but not on Saturday. Only two people have an exam between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have an exam between T and S. Who has an exam on Tuesday?

A. Q

B. P

C. V

D. T



Q2 Direct Relations

N is mother of O. O is wife of P. P is brother of Q. How is N related to Q?

A. Sister's Husband's Mother

B. Brother's Wife

C. Wife's Mother

D. Brother's Wife's Mother



Q3 Floor/Building Arrangement

A, D, F, G, H and S live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

S lives on an even numbered floor but not 6. The sum of floors on which A and S live is 9. The sum of floors on which S and H live is 5. D lives immediately below F. What is the sum of floors on which D and F live?

A. 6

B. 4

C. 7

D. 5



Q4 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HLK JNM LPO NRQ ?

A. PQS

B. PUR

C. PSR

D. PTS



Q5 Letter Analogy

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QSR-VXW

PRQ-UWV

A. BDC-GIH



B. BCA-GIH

C. BCA-FHG

D. BDC-FIG

Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IKN :: OQT : %

A. # = CEH , % = UDR

B. # = CEH , % = UGT

C. # = CEH , % = UMK

D. # = CEH , % = UWZ



Q7 Letter Analogy

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VYU-XAW

RUQ-TWS

A. XZU-ZCY

B. XZU-YBX

C. XAW-ZCY



D. XAW-YCX



Q8 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) O E O D J G R E Y Z N A L F V G I X O E X B (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 3



B. 5

C. 2

D. 4

Q9 Letter to Number Mapping

In a certain code language, 'POTS' is coded as '7462' and 'OILY' is coded as '9536'. How is 'O' coded in that language?

A. 6



B. 3

C. 4

D. 9

Q10 Letters Between Two Positions

This question is based on the given words.

(LEFT) VOW GAP CUT BID (RIGHT)

How many letters are there between the first letter of the second word from the right and the second letter of the first word from the left as per the English alphabetical order?

A. 12

B. 14

C. 11



D. 10

Q11 Letters in a Given Word

This question is based on the given words.

(Left) ION APT ILK ASH (Right)

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Two

B. Three



C. Four

D. One

Q12 Missing Number

What should come in place of the question mark (?) in the given series?

49 65 97 145 209 ?

A. 279

B. 289



C. 294

D. 284

Q13 Multiple Turns

Gaurav starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 11 km, turns right and drives 25 km. He then takes a right turn and drives 17 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 6 km to the west

C. 6 km to the east



D. 5 km to the west



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Q14 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

14 - 182 - 728 ;

17 - 221 - 884

A. 13 - 169 - 667

B. 15 - 195 - 780

C. 11 - 143 - 578

D. 20 - 260 - 980

Q15 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE - A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

6 - 10 - 17 - 25 ; 8 - 12 - 21 - 29

A. 13 - 9 - 15 - 23

B. 7 - 11 - 19 - 11

C. 9 - 13 - 29 - 37

D. 10 - 14 - 25 - 33

Q16 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$2 \div 1 + 6 \times 3 - 2 = ?$$

A. 2

B. 4

C. 8

D. 6

Q17 Operator Swap

If + means $\times$, - means $\div$, $\times$ means +, and $\div$ means -, then what will come in place of the question mark (?) in the following equation?

$$55 - 5 + 6 \times 2 \div 4 = ?$$

A. 64

B. 70

C. 68

D. 66

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. AS - EX

B. CL - GP

C. QK - UO

D. ND - RH

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. YQ - SK

B. WO - QI

C. ME - HA

D. TL - NF

Q20 Position from Left/Right

Aman ranked 46th from the top and 70th from the bottom in his class. How many students are there in his class?

A. 116

B. 115

C. 114

D. 113



Q21 Rearrangement of Letters

Each letter in the word BLARING is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

A. F

B. J

C. K

D. M **Q22 Rearrangement of Letters**

Each vowel in the word OLYMPICS is changed to the vowel immediately following it as per the English alphabetical order and each consonant is changed to the fourth letter preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. What will be the 3rd letter from the right end in the new letter-cluster thus formed?

A. T

B. Y

C. M

D. U **Q23 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

No one sits to the left of E. Only three people sit between E and Q. Only three people sit to the right of O. D sits to the immediate left of O. P is not an immediate neighbor of O. How many people sit between P and C?

A. None

B. One 

C. Three

D. Two

Q24 Single Row (One-way/Both-way)

Seven people, A, B, C, D, E, F, and G, are sitting in a row, facing the north.

Only two people sit to the right of B. F sits to the immediate left of D. Only two people sit between B and D. C sits to the immediate right of A. G sits to the immediate left of E. E sits at one of the extreme ends of the row.

Who is sitting third from the left end of the row?

A. F

B. A 

C. C

D. D

Q25 Symbol Based

In a certain code language

'A + B' means A is the wife of B,

'A - B' means A is the husband of B,

'A / B' means A is the sister of B,

'A ! B' means A is the brother of B,

'A × B' means A is the mother of B and

'A * B' means A is the father of B.

How is C related to L if A - C × P ! L * Q?

A. Father

B. Daughter

C. Son

D. Mother **Q26 Symbol Included Pattern**

Refer to the following letter, symbol series and answer the question.

(Left) H W % G # W @ W A % F & H + M ? & D # (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. +

B. &

C. @ 

D. \$

Q27 Symbol Included Pattern

Refer to the following number, symbol series and answer the question (all numbers are single digit numbers only)

(Left) 8 @ 4 # ! + 3 & # 9 % & # 4 7 ! 9 # 3 \$ 6 + @ 1 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9 

B. 1

C. 3

D. 6



Q28 Symbol Substitution

If 'A' stands for ' $\div$ ', 'B' stands for ' $\times$ ', 'C' stands for ' $+$ ' and 'D' stands for ' $-$ ', what will come in place of the question mark (?) in the following equation?

$$207 \text{ D } 14 \text{ B } 6 \text{ C } 105 \text{ A } 5 = ?$$

A. 144



B. 168

C. 183

D. 165

Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

(I) N is taller than only one Stick. S is shorter than R but taller than U

(II) S is taller than T

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not

B. Both statements I and II together are NOT sufficient to answer the question

C. Data in Statement II alone is sufficient to answer the question while data in statement I is not

D. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

**Q30 Word to Code Mapping**

In a certain code language, 'space is less' is coded as 'du vc kt' and 'less than ten' is coded as 'rg mq vc'. How is 'less' coded in that language? (All the codes are two-letter codes only.)

A. kt

B. rg

C. vc



D. du



General Intelligence & Reasoning

30 Questions · Answer Key

Q1 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) W Z A F U V L A K I D O T U V Q U S P O P D (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 8



B. 7

C. 9

D. 10

Q2 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SUQ MOK GIE ACY ?

A. UVR

B. UXR

C. UWS



D. UVX

Q3 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. E has an exam on Tuesday. Exactly 3 people have an exam between E and T. W has an exam immediately before Y and U has an exam immediately after Y. Only 1 person has an exam between W and Q. Who has an exam immediately after T?

A. T

B. R



C. U

D. W

Q4 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table. Q is an immediate neighbour of both I and R. P sits third to the left of Q. R sits second to the left of Z. J is not an immediate neighbor of P. Who sits second to the right of K?

A. Q



B. I

C. J

D. R

Q5 Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre. Exactly three people sit between L and H when counted from the right of L. F sits second to the left of H. J sits immediately to the left of G. K is not an immediate neighbour of H. How many people sit between G and F when counted from the left of F?

A. 2



B. 3

C. 4

D. 1

Q6 Floor/Building Arrangement

Seven boxes A, B, C, D, U, V and W are kept one over the other but not necessarily in the same order. Only two boxes are kept below V. Only one box is kept above C. Only one box is kept between C and B. W is kept immediately above U. D is kept at some place below A. How many boxes are kept between A and W?

A. Two

B. One

C. Four



D. Three



Q7 Letter Analogy

FGHK is related to IJKN in a certain way based on the English alphabetical order. In the same way, RSTW is related to UVWZ. To which of the following options is ABCF related, following the same logic?

A. FIDE

B. FEDI

C. DFIE

D. DEFI

**Q8 Letter Analogy**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HIL :: LMP : %

A. # = ZAC , % = STW

B. # = ZAD , % = TUX



C. # = ZAD , % = TTY

D. # = ZCF , % = TUX

Q9 Letters Between Two Positions

This question is based on the following words.

(Left) JOG VOW GYM DEW (Right)

How many letters are there between the second letter of the first word from the right and the second letter of the first word from the left, as per the English alphabetical order?

A. 12

B. 8

C. 10

D. 9

**Q10 Letters Between Two Positions**

This question is based on the given words.

(LEFT) KIT ZIP ODD RAM (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

A. 4



B. 7

C. 5

D. 3

Q11 Mathematical Operations

If 3 is added to each even digit and 2 is added to each odd digit in the number 4751236, what will be the sum of the first and last digits in the new number thus formed?

A. 14

B. 16



C. 12

D. 18

Q12 Missing Number

What should come in place of the question mark (?) in the given series?

35 42 56 77 105 ?

A. 142

B. 140



C. 138

D. 136

Q13 Multiple Turns

Abhishek starts from Point A and drives 13 km towards North. He then takes a right turn, drives 6 km, turns right and drives 15 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km to west

B. 2 km to west

C. 3 km to east

D. 2 km to east

**Q14 Operation Based**

22 is related to 474 following a certain logic. Following the same logic, 25 is related to 615. To which of the given options is 29 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 821

B. 831



C. 851

D. 841



Q15 Operation Based

19 is related to 58 following a certain logic. Following the same logic, 31 is related to 94. To which of the given options is 43 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 128

B. 127

C. 130



D. 129

Q16 Operation Based Coding

In a certain code language "HSAL " is coded as "35" and "WHKC" is coded as "40". What is the code for "OJDZ" in the given language?

A. 50



B. 49

C. 58

D. 55

Q17 Operator Swap

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$37 - 3 \div 5 + 18 \times 6 = ?$$

A. 101

B. 104

C. 109

D. 113

**Q18 Pattern Based**

NLIP is related to TROV in a certain way based on the English alphabetical order. In the same way, JHEL is related to PNKR. To which of the following is RPMT related, following the same logic?

A. XVZS

B. XVSZ



C. VXZS

D. VXSZ

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. JG - HE

B. LV - KU



C. QI - OG

D. SY - QW

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. CK - IQ

B. GO - MU

C. FN - KS



D. HP - NV

Q21 Position from Left/Right

30 students are standing in a straight line facing north. Anita is 16th from the right end, while Balram is 22nd from the left end. How many students are standing between Anita and Balram?

A. 5

B. 7

C. 6



D. 8

Q22 Rearrangement of Letters

Each letter in the word FUTILE is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. V

B. J



C. U

D. F



Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word GAUCHOS is arranged in the reverse alphabetical order?

A. Zero



B. Two

C. Three

D. One

Q24 Rearrangement of Letters

Each of the digits in the number 789245361 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. Three

C. One

D. None

**Q25 Symbol Based**

In a certain code language,
 $A + B$ means 'A is the brother of B',
 $A - B$ means 'A is the son of B',
 $A \times B$ means 'A is the husband of B', and
 $A \div B$ means 'A is the daughter of B'.

How is P related to T if ' $P + Q - R \times S \div T$ '?

A. Son's son

B. Son

C. Daughter's son



D. Daughter's daughter

Q26 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Pv related to Kt if ' $Pv + Df \# Ly \% Gi \times Kt$ '?

A. Sister's husband

B. Wife's mother



C. Wife's sister

D. Daughter's husband

Q27 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) R T % & V B M > < Y P L + A # ^ & ? A S P I % + E # A @ Q B T G & + % C ? (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

A. Y

B. M

C. Q



D. B

Q28 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 5 & % 6 9 @ 4 \$ 7 & 8 \Omega 2 \# 1 * \pounds 5 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9



B. 2

C. 6

D. 4

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

At, Bn, Cg, Dv and Es are sitting around a circular table, facing the centre. Who sits to the immediate right of Dv?
 (I) At is the immediate neighbour of Dv and Es. Cg sits to the immediate right of Bn.

(II) Es is the immediate neighbour of Cg and At. Dv sits second to the right of Es.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not



B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

C. Data in statements I and II together are NOT sufficient to answer the question

D. Data in statement I alone is sufficient to answer the question while data in statement II is not



Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements

Statements: All carpets are shoes. All pens are shoes.

Conclusion (I) : Some carpets are pens

Conclusion (II) : Some shoes are pens

A. Only conclusion I follows

B. Only conclusion II follows



C. Neither conclusion I nor II follows

D. Both conclusions I and II follow



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

A. Sunday



B. Monday

C. Saturday

D. Thursday

Q2 Facing Center

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Only four people sit between J and H when counted from the right of J. F and K are immediate neighbours of D. Exactly four people sit between G and L when counted from the left of G. L is not an immediate neighbour of F or H.

How many people sit between H and L when counted from the left of H?

A. 4

B. 2

C. 3



D. 1

Q3 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only H lives above Y. A lives immediately below Y. Only G lives below S.

Who lives on floor number 3?

A. Y

B. P



C. A

D. H

Q4 Floor/Building Arrangement

H, I, J, L, M and N live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only four people live below L. J lives on a floor above L. Only N lives below H. I lives on an even-numbered floor. How many people live below M?

A. Four

B. Two



C. One

D. Three

Q5 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RSP NOL JKH FGD ?

A. BCZ



B. BBY

C. BCE

D. BDY

Q6 Letter Analogy

LN 12 is related to GI 6 in a certain way. In the same way, SU 22 is related to NP 11. To which of the following is VX 18 related to following the same logic?

A. PR 9

B. QS 9



C. SU 7

D. RT 7

Q7 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T G O U P M U O A K A A T J P L I T U E E V (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. 4

B. 3

C. 2



D. 1



Q8 Letters Between Two Positions

This question is based on the following words.

(Left) TUG ZAX JAW LID (Right)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left, as per the English alphabetical order?

A. 4

B. 3



C. 2

D. 6

Q9 Letters in a Given Word

This question is based on the given words.

VAN LOG ZIP GUM

If in each of the words, each letter is changed to the next letter in the English alphabetical order, how many words thus formed will have no vowel?

A. Two



B. One

C. None

D. Three

Q10 Letters in a Given Word

Each vowel in the word COMPANY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

A. B

B. L



C. O

D. M

Q11 Missing Number

What should come in place of the question mark (?) in the given series?

24 29 37 48 62 ?

A. 79



B. 81

C. 83

D. 77

Q12 Multiple Turns

Vimal starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 15 km, turns left and drives 26 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the west

B. 4 km to the east



C. 5 km to the east

D. 5 km to the west

Q13 Number Series

Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.

(Left) 2 3 8 9 4 5 2 3 6 7 5 9 5 2 7 3 2 6 8 1 9 2 7 6 4 5
(Right)

How many such odd digits are there, which are immediately preceded by an even digit and also immediately followed by an odd digit?

A. Two

B. More than three

C. Three



D. One

Q14 Operation Based

4 is related to 63 following a certain logic. Following the same logic, 3 is related to 26. To which of the following is 5 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 127

B. 125

C. 124



D. 126



Q15 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations.)

5 – 15 – 30 – 40 ; 6 – 18 – 36 – 46

A. 7 – 21 – 42 – 52



B. 9 – 27 – 54 – 60

C. 8 – 24 – 36 – 48

D. 10 – 30 – 50 – 70

Q16 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1543862, what will be the sum of the digits that are second from the left and third from the right?

A. 10

B. 11

C. 12



D. 13

Q17 Operator Swap

What will come in place of the '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$217 \div 62 \times 434 - 493 + 307 = ?$

A. 217



B. 127

C. 271

D. 227

Q18 Operator Swap

What will come in place of the question mark (?) in the following equation, if '-' and '÷' are interchanged and 'x' and '+' are interchanged?

$84 + 1 - 1 \times 1 \div 9 = ?$

A. 76



B. 77

C. 78

D. 79

Q19 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: IDA :: CXU : %

A. # = WRO, % = OKG

B. # = WRO, % = OJP

C. # = WRO, % = OJG



D. # = CRO, % = OJG

Q20 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

FWU : EYR

JVF : IXC

A. UQG : TSC

B. KJN : JKK

C. DHE : CJA

D. NGQ : MIN

**Q21 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PTV

B. OSU

C. AFG



D. BFH

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ABD

B. BDE



C. QRT

D. XYA



Q23 Rearrangement of Letters

Each letter in the word EARLIER is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter-cluster thus formed?

A. 2



B. 3

C. 5

D. 1

Q24 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit between C and P. E sits to the immediate left of P. No one sits to the right of D. Only two people sit between D and E. O sits to the immediate right of C.

How many people sit between Q and O?

A. None

B. Three

C. Two



D. One

Q25 Symbol Based

In a certain code language,

A + B means 'A is the sister of B',

A - B means 'A is the son of B',

A × B means 'A is the husband of B',

and A ÷ B means 'A is the daughter of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Son's daughter

B. Daughter

C. Daughter's daughter



D. Sister

Q26 Symbol Based

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the sister of B',
A × B means 'A is the wife of B' and
A % B means 'A is the father of B'.

How is Ranbir related to Kajal if 'Ranbir + Kartik × Himansh % Sunny - Kajal'?

A. Son

B. Husband

C. Brother



D. Father

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) U \$ % Q 4 3 Y © G U 8 3 6 @ & Q 3 5 K # 1 K (Right)

If all the letters are dropped from the series, which of the following will be sixth from the left?

A. ©

B. 8



C. @

D. 3

Q28 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some fruits are vegetables.

All vegetables are animals.

Conclusions:

(I) Some animals are fruits.

(II) Some fruits are not animals.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows



Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some desks are halls.
No hall is a table.

Conclusions:

- (I) No desk is a table.
(II) Some tables are halls.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows** ✓
- C. Only conclusion (II) follows
- D. Both conclusions (I) and (II) follow

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All swans are ducks.
Some swans are fish.

Conclusions:

- (I) Some fish are ducks.
(II) Some ducks are swans.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow** ✓
- D. Only conclusion (I) follows



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HKG CFB XAW SVR ?

- A. NRL
- B. NOQ
- C. NQM
- D. NPL

**Q2 Facing Center**

D, F, G, H, J, K and L are sitting around a circular table facing the centre.

Exactly two people sit between G and F when counted from the left of F. L and H are immediate neighbours of J. Exactly one person sits between H and D when counted from the right of D. How many people sit between J and F when counted from the left of J?

- A. 1
- B. 3
- C. 2
- D. 4

**Q3 Facing Center**

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Only two people sit between R and K. Only one person sits between I and Z when counted from the right of I. Only one person sits between Z and K. Only one person sits between I and P. Only one person sits between J and P. Who sits fourth to the right of Q?

- A. R
- B. J
- C. K
- D. Z

**Q4 Floor/Building Arrangement**

Seven boxes, E, F, G, H, W, X and Y, are kept one over the other, but not necessarily in the same order.

Only W is kept below E. G is kept above Y. Only one box is kept above Y. Only X is kept between Y and F.

How many boxes are kept between H and W?

- A. Three
- B. One
- C. Zero
- D. Two

**Q5 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

- A. Four
- B. Five
- C. Three
- D. Two

**Q6 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

A lives on floor number 4. Only two people live between A and G. Only Y lives between A and H. P lives just below A. Who lives on floor number 2?

- A. P
- B. H
- C. S
- D. Y



Q7 Letters in a Given Word

This question is based on the following words:

HEN INK BUS BAT

In each of the words, each vowel is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order.

In how many letter-clusters thus formed will no vowel appear?

A. Four

B. Two

C. One

D. Three

Q8 Letters in a Given Word

This question is based on the given words.

DAN REX MIS LEO

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Three

C. Two

D. One

Q9 Linear Family Relations

S is wife of T. T is brother of U. U is mother of V. How is S related to V?

A. Sister

B. Mother's Brother's Wife

C. Mother

D. Mother's Mother

Q10 Mathematical Operations

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 74295863, how many digits will appear more than once in the new number thus formed?

A. Two

B. Three

C. Zero

D. One

Q11 Missing Number

What should come in place of the question mark (?) in the given series?

59 71 84 98 113 ?

A. 129

B. 127

C. 131

D. 133

Q12 Multiple Turns

Mr. Namgyal starts from Point A and drives 31 km towards east. He then takes a right turn, drives 39 km, turns right and drives 51 km. He then takes a right turn and drives 4 km. Next, he takes a right turn, drives 12km, turns left and drives 15 km. He then takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (Note: All turns are 90 degree turns only, unless specified.)

A. 24 km towards west

B. 20 km towards north

C. 22 km towards south

D. 20 km towards east

Q13 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

12 - 228 - 684 ;

18 - 342 - 1026

A. 16 - 304 - 912

B. 19 - 361 - 1066

C. 15 - 285 - 866

D. 11 - 209 - 667



Q14 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in question?

(NOTE – A two/three digit number cannot be broken into individual digits for operations, e.g., if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits.)

$2 - 13 - 33 - 40$; $8 - 19 - 51 - 58$

A. $10 - 23 - 63 - 70$

B. $5 - 16 - 54 - 61$

C. $7 - 18 - 48 - 41$

D. $6 - 17 - 45 - 52$ ✓

Q15 Operator Swap

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$245 \div 64 \times 448 - 562 + 381 = ?$$

A. 206

B. 126

C. 216 ✓

D. 226

Q16 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and 'x' and '-' are interchanged?

$$23 - 4 + 2 \times 4 \div 6 = ?$$

A. 42

B. 48 ✓

C. 46

D. 44

Q17 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DGF :: PSR : %

A. # = AFE , % = SVU

B. # = ADC , % = SUV

C. # = ADB , % = RUT

D. # = ADC , % = SVU ✓

Q18 Pattern Based

KHFM is related to QNLS in a certain way based on the English alphabetical order. In the same way, GDBI is related to MJHO. To which of the following is NKIP related, following the same logic?

A. QTVO

B. TQOV ✓

C. QTOV

D. TQVO

Q19 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JFG-DZA

XTU-RNO

A. YTT-SOP

B. YUV-ROO

C. YUV-SOP ✓

D. YTT-RNO

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. PS - TW

B. JM - NQ

C. QT - UX

D. MP - RT ✓

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MNK

B. BCZ

C. PQN

D. KMI ✓



Q22 Rearrangement of Letters

Each letter in the word DISTANT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter-cluster thus formed?

A. 6

B. 4 ☒

C. 3

D. 2

Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word HANDOUTS is arranged in the English alphabetical order?

A. One

B. Two ☒

C. Four

D. Three

Q24 Symbol Based

In a certain code language,

A + B means 'A is the sister of B',
 A - B means 'A is the daughter of B',
 A × B means 'A is the wife of B',
 and A ÷ B means 'A is the son of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Sister

B. Son's daughter ☒

C. Daughter's daughter

D. Daughter

Q25 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) X % \ \$ W U C N P R G N * A Y # T V A W O (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a letter?

A. Two ☒

B. Four

C. One

D. Three

Q26 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question.

(Left) N L + B ^ H & # & J K + ? N + ? \$ J B O P (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

A. # ☒

B. ?

C. @

D. +

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) M J € M 2 5 P & * T Z 6 E A # * 7 % Z & B * (Right)

If all the symbols are dropped from the series, which of the following will be fourth from the left?

A. 5

B. 2 ☒

C. *

D. P

Q28 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some dogs are birds.
 All birds are pets.

Conclusions:

(I) Some pets are not dogs.
 (II) Some dogs are pets.

A. Only conclusion (I) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows ☒

Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All tigers are kiwis.

No tiger is a pigeon.

Conclusions:

(I) No kiwi is a pigeon.

(II) Some pigeons are tigers.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

**Q30 Word to Code Mapping**

In a certain code language, 'have some lunch' is coded as 'cq xg ku' and 'they have left' is coded as 'ku nv hm'. How is 'have' coded in that language? (All the codes are two-letter codes only.)

A. ku



B. hm

C. xg

D. cq



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30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 3 2 4 7 8 1 4 5 2 7 6 5 4 7 8 9 2 5 4 7 3 1 6 9 5 3
(Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Three
- B. More than three
- C. Two
- D. One

Q2 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VUX YXA BAD EDG ?

- A. HGJ
- B. HFI
- C. HIK
- D. HHI

Q3 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. R has an exam on one of the days before Thursday but not on Tuesday. Only two people have an exam between R and V. V has an exam immediately before Q. As many people have an exam after Q as before U. P has an exam immediately before T. Only one person has an exam between P and S. Who has an exam on Tuesday?

- A. Q
- B. S
- C. V
- D. U

Q4 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

I sits to the immediate right of Q. P sits to the immediate right of J. Only three people sit between I and Z when counted from the left of I. Only three people sit between Q and K.

How many people sit between Q and J when counted from the right of J?

- A. One
- B. Three
- C. Four
- D. Two

Q5 Floor/Building Arrangement

K, B, V, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live above F. V lives on an even-numbered floor but above F. Only two people live between K and F. D lives immediately below B.

How many people live between E and F?

- A. One
- B. None
- C. Two
- D. Three

Q6 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) V L E A O B K O C H R E X I S W O J H U C L (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. 1
- B. 3
- C. 2
- D. 0



Q7 Letters in a Given Word

This question is based on the given words.

OPE HER KID SKY

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. Two
- B. Four
- C. One
- D. Three

**Q8 Letters in a Given Word**

This question is based on the given words.

BOX TUG PAN SEW

If in each of the words, each letter is changed to the immediately following letter in the English alphabetical order, how many words thus formed will have no vowel?

- A. One
- B. Four
- C. Two
- D. Three

**Q9 Letters in a Given Word**

Each vowel in the word QUALITY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

- A. K
- B. B
- C. V
- D. P

**Q10 Linear Family Relations**

F is father of G. G is brother of H. H is mother of I. How is F related to I?

- A. Sister
- B. Father's Mother
- C. Father
- D. Mother's Father

**Q11 Missing Number**

What should come in place of the question mark (?) in the given series?

98 102 111 127 152 ?

- A. 185
- B. 190
- C. 188
- D. 182

**Q12 Multiple Turns**

Raghav starts from Point A and drives 26 km towards the west. He then takes a right turn, drives 15 km, turns right and drives 32 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 5 km to the south
- B. 5 km to the north
- C. 6 km to the north
- D. 6 km to the south

**Q13 Operation Based**

21 is related to 199 following a certain logic. Following the same logic, 16 is related to 154. To which of the given options is 19 related, following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 151
- B. 161
- C. 181
- D. 171



Q14 Operation Based

17 is related to 68 following a certain logic. Following the same logic, 29 is related to 116. To which of the given options is 41 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 164



B. 166

C. 168

D. 162

Q15 Operation Based Coding

In a certain code language "KBNY" is coded as "43" and "RBXU" is coded as "30". What is the code for "WIJM" in the given language?

A. 46

B. 38

C. 40



D. 33

Q16 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1537246, what will be difference between the highest and lowest digits in the number thus formed?

A. 6

B. 8



C. 7

D. 9

Q17 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be difference between the highest and lowest digits in the number thus formed?

A. 9



B. 8

C. 10

D. 7

Q18 Operator Swap

What will come in place of the question mark '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$35 \times 5 \div 7 - 11 + 9 = ?$$

A. 45

B. 51



C. 47

D. 49

Q19 Pattern Based

ACEG is related to YACE in a certain way based on the English alphabetical order. In the same way, RTVX is related to PRTV. To which of the following options is MOQS related, following the same logic?

A. KMQO

B. KMOQ



C. KMIU

D. KMOP

Q20 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: TSZ :: JGD : %

A. #=RUX, %=MEF

B. #=RUY, %=LEF

C. #=RUX, %=LEF



D. #=RUX, %=LEE

Q21 Pattern Based

Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

MQ-UY-CG

TX-BF-JN

A. AE-IM-LM

B. AE-IM-AS

C. AE-IM-BH

D. AE-IM-QU



Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KO-SY

B. CG-KP

C. AE-IO

D. SW-AG

Q23 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. MQ - PT

B. JO - NR

C. KO - NR

D. BF - EI

Q24 Position from Left/Right

Uday ranked 45th from the top and 81st from the bottom in his class. How many students are there in his class?

A. 125

B. 124

C. 127

D. 126

Q25 Rearrangement of Letters

Each letter in the word DROUGHT is changed to the letter immediately preceding it in the English alphabetical order and then all the letters in the cluster thus formed are arranged in the English alphabetical order. Which of the following letters will be fifth from the right in the new group of letters thus formed?

A. T

B. G

C. C

D. N

Q26 Single Row (One-way/Both-way)

Six people, A, B, C, D, E, and F, are sitting in a straight line, facing the north.

Only one person sits to the right of D. C sits to the immediate right of B. Only A sits between D and F. Who sits at the extreme left end of the line?

A. B

B. E

C. F

D. C

Q27 Symbol Based

In a certain code language,

A + B means 'A is the brother of B',

A - B means 'A is the daughter of B',

A × B means 'A is the husband of B', and

A ÷ B means 'A is the mother of B'.

How is P related to T if 'P + Q - R × S - T'?

A. Son

B. Brother

C. Daughter's son

D. Son's son

Q28 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) * * © © G @ A & © C X # C J * T \$ F N @ \$ & (Right)

How many such letters are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

A. 5

B. 3

C. 2

D. 4

Q29 Word to Code Mapping

In a certain code language, 'running is good habit' is coded as 'gn yb dm hc' and 'they are good boys' is coded as 'yb gt ol pk'. How is 'good' coded in that language? (All the codes are two-letter codes only.)

A. hc

B. yb

C. ol

D. gt



Q30 Word to Code Mapping

In a certain code language, 'down the road' is coded as 'qb ko np' and 'shutter is down' is coded as 'mc np ev'. How is 'down' coded in that language? (All the codes are two-letter codes only.)

A. ev

B. qb

C. np



D. ko



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have exams between R and D. D has the exam on the last day of the week. B has the exam on the second day after A. C has the exam immediately the day before P. Q does not have the exam on Friday.

How many people have the exam after Q?

A. Two

B. Six

C. Five

D. Three

Q2 Day of Week Assignment

Each of Q, R, W, T, E, U and Y has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. W has an exam on Friday. Only 2 people have an exam between W and Q. Y has an exam immediately before T and U has an exam immediately after R. Only 2 people have an exam between E and T. How many people have an exam after R?

A. 3

B. 1

C. 2

D. 4

Q3 Floor/Building Arrangement

G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only L lives above K. H lives immediately below K. Only G lives below J. How many people live below H?

A. Four

B. Three

C. Two

D. One

Q4 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DFJ MOS VXB EGK ?

A. NQS

B. NOQ

C. NPT

D. NOS

Q5 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right.

(Left) E D I S P V E I I S I A Q P W G U O I A E C (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. 4

B. 2

C. 3

D. 1

Q6 Letters in a Given Word

Each vowel in the word ABANDON is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the right in the new group of letters thus formed?

A. B

B. P

C. M

D. C



Q7 Letters in a Given Word

This question is based on the given words.

PER KGS NUS DAM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

A. Three



B. Two

C. One

D. Four

Q8 Letters in a Given Word

This question is based on the given words.

THIS KIND CORE FLOP

In each of the words, each letter is changed to the letter immediately preceding it in the English alphabetical order. How many words thus formed have at least one vowel?

A. One



B. Three

C. Two

D. Four

Q9 Missing Number

What should come in place of the question mark (?) in the given series?

81 64 49 36 25 ?

A. 15

B. 16



C. 14

D. 18

Q10 Operation Based

21 is related to 41 following a certain logic. Following the same logic, 33 is related to 65. To which of the given options is 45 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 93

B. 87

C. 91

D. 89

**Q11 Operator Swap**

If 'x' means '-', '÷' means 'x', '+' means '÷' and '-' means '+', then what will come in place of the question mark (?) in the following equation?

$8 \div 6 \times 15 + 3 - 5 = ?$

A. 37

B. 42

C. 39

D. 48

**Q12 Operator Swap**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$89 \text{ C } 72 \text{ A } 12 \text{ B } 4 \text{ D } 25 = ?$

A. 83

B. 88



C. 85

D. 87

Q13 Operator Swap

If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$53 - 4 \div 18 + 64 \times 8 = ?$

A. 217

B. 222



C. 219

D. 231



Q14 Pattern Based

LORU is related to NQTW in a certain way based on the English alphabetical order. In the same way, GHKL is related to IJMN. To which of the following options is ZCFI related, following the same logic?

A. BHER

B. BHKO

C. BEHK



D. BHYU

Q15 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

OJV : LGS

EOQ : BLN

A. KHG : GEC

B. EHL : CFI

C. TEL : OAI

D. ING : FKD

**Q16 Pattern Based**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KNS : HPV

LLL : INO

A. RJW : OLY

B. MKP : JMR

C. LVW : IWZ

D. FPI : CRL

**Q17 Position Pattern**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. AXW

B. NLJ



C. RON

D. DAZ

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(NOTE: The odd one out is not based on the number of consonants/ vowels or their position in the letter-cluster.)

A. OH - LC



B. QT - NN

C. CN - ZH

D. KR - HL

Q19 Rearrangement of Letters

Each vowel in the word NOTICE is changed to the fourth letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

A. K



B. A

C. T

D. E

Q20 Shortest Distance

Pooja starts from Point A and drives 18 km towards the south. She then takes a right turn, drives 12 km, turns right and drives 25 km. She then takes a right turn and drives 13 km. She takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the west

B. 1 km to the west



C. 2 km to the east

D. 1 km to the east

Q21 Shortest Distance

Rama started walking from point A. She walked for 4 km towards south. She took a left turn and walked for 6 km. Then she took a right turn and walked for 8 km. Again, she took a right turn and walked for 6 km. How far (shortest distance) and towards which direction should she walk in order to reach point A again?

A. 8 km towards south

B. 8 km towards north

C. 12 km towards north



D. 12 km towards south



Q22 Single Row (One-way/Both-way)

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only two people sit to the left of E. Only two people sit between E and Q. Only one person sits between Q and D. O sits to the immediate left of P.

How many people sit to the right of C?

A. None

B. Two

C. Three

D. One

**Q23 Single Row (One-way/Both-way)**

Six people, X, Y, Z, W, V, and U, are sitting in a row, facing the north.

Only two people sit to the right of X. V sits to the immediate left of U. Only Z sits between X and W. W does not sit at the extreme right end of the row.

Who sits at the extreme right end of the row?

A. X

B. U



C. Z

D. V

Q24 Square/Cube Based

16 is related to 255 following a certain logic. Following the same logic, 11 is related to 120. To which of the given options is 13 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 148

B. 138

C. 158

D. 168

**Q25 Symbol Based**

In a certain code language,

A + B means 'A is the brother of B',

A – B means 'A is the daughter of B',

A × B means 'A is the wife of B', and

A ÷ B means 'A is the son of B'.

How is P related to T if 'P + Q – R × S ÷ T'?

A. Brother

B. Daughter's son

C. Son

D. Son's son

**Q26 Symbol Based**

In a certain code language,

A + B means 'A is the son of B',

A – B means 'A is the sister of B',

A × B means 'A is the wife of B' and

A % B means 'A is the father of B'.

How is Shahid related to Ishant if 'Shahid + Gauri – Himesh % Jaya × Ishant'?

A. Wife's father's brother's son

B. Wife's mother's brother's son

C. Wife's father's sister's son



D. Wife's mother's sister's son

Q27 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 7 Ω 5 3 @ & 9 \$ 6 % 8 ^ 4 # 1 * £ 2 (Right)

If all the numbers are dropped from the series, which of the following will be sixth from the left?

A. %

B. #

C. ^



D. \$



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Q28 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 8 # 2 ! 3 \$ % 6 & + 9 * % 4 # @ ! 7 + ? @ 1 + (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 9

B. 3

C. 2



D. 6

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five people — A, B, C, D, and E — are sitting around a circular table, facing the centre. Who is sitting between A and C?

(I) B sits immediately to the right of A; D sits immediately to the right of B.

(II) E sits immediately to the left of C; D is not adjacent to A.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



B. Data in statement II alone is sufficient to answer the question while data in statement I is not.

C. Data in statement I alone is sufficient to answer the question while data in statement II is not.

D. Both statements I and II together are NOT sufficient to answer the question.

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some soaps are cubs.

Some cubs are fruits.

Conclusions:

(I) Some soaps are fruits.

(II) All fruits are cubs.

A. Neither conclusion (I) nor (II) follows.



B. Only conclusion (I) follows.

C. Both conclusions (I) and (II) follow.

D. Only conclusion (II) follows.



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30 Questions • Answer Key

Q1 Day of Week Assignment

Each of T, R, O, U, B, L and E has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exam between U and O. O has exam on the last day of the week. Only one person has exam between B and R. T has exam immediately the day before E. L does not have exam on Friday. How many people have exam between L and T?

A. Three



B. Two

C. Four

D. One

Q2 Facing Center

H, I, J, K, L, and M are sitting around a circular table facing the center. K sits to the immediate right of J. Only two people sit between I and M when counted from the left of I. L sits to the immediate right of H. H is not an immediate neighbor of I. Who sits to the immediate left of J?

A. H

B. L

C. M

D. I



Q3 Facing Center

Six friends, C, D, E, O, P and Q, are sitting around a circular table, facing the center of the table. D sits to the immediate left of P. C sits to the immediate left of Q. O sits third to the left of P. Who sits third to the right of E?

A. Q

B. P

C. O

D. C



Q4 Floor/Building Arrangement

Seven boxes, G, H, I, J, O, K, and L, are kept one over the other, but not necessarily in the same order. Only O is kept above L. Only two boxes are kept between L and G. Only I is kept below J. K is not kept immediately above G. How many boxes are kept between H and I?

A. Three

B. One

C. Two



D. Four

Q5 Floor/Building Arrangement

Seven boxes B, F, G, H, R, T and Y are kept one over the other but not necessarily in the same order. F is kept immediately above Y. B is kept immediately above G. Only R is kept above H. Only two boxes are kept above F. B is not kept at third position from the bottom. How many boxes are kept below H?

A. 5



B. 4

C. 3

D. 2

Q6 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
RQY OSX LUW IWV ?

A. DYV

B. FYU



C. EXV

D. EXU

Q7 Letters in a Given Word

Each vowel in the word CONNECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. M



B. L

C. O

D. N



Q8 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 614 823 579 302 486 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

How many numbers have the second digit greater than the first digit?

- A. One
- B. None
- C. Two
- D. Three

Q9 Mathematical Operations

This question is based on the six, three-digit numbers given below.

(Left) 284 286 297 213 246 273 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE: All operations to be done from left to right.

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- A. 10
- B. 9
- C. 8
- D. 13

Q10 Missing Number

What should come in place of the question mark (?) in the given series?

715 747 763 795 811 843 ?

- A. 853
- B. 866
- C. 859
- D. 861

Q11 Multiple Turns

Kishan starts from Point A and drives 34 km towards the north. He then takes a right turn, drives 44 km, turns right and drives 46 km. He then takes a right turn and drives 51 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 7 km to the east
- B. 6 km to the west
- C. 4 km to the east
- D. 9 km to the east

Q12 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 6 6 7 8 4 3 1 2 3 2 1 4 4 6 7 4 4 3 5 6 5 3 4 3 8 4 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

- A. 4
- B. 3
- C. 5
- D. 2

Q13 Operation Based

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

6 - 21
8 - 27

- A. 12 - 61
- B. 9 - 30
- C. 7 - 22
- D. 13 - 24



Q14 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6342718, what will be the sum of the digits that are second from the left and second from the right?

A. 7

B. 4

C. 5

D. 6

**Q15 Operator Swap**

If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$13 - 16 \div 22 + 87 \times 3 = ?$$

A. 246

B. 233

C. 219

D. 201

**Q16 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BEB :: TWT : %

A. # = FIE , % = ORO

B. # = FKH , % = PSP

C. # = FIF , % = PRQ

D. # = FIF , % = PSP

**Q17 Pattern Based**

GKUB is related to LPZG in a certain way based on the English alphabetical order. In the same way, LIHM is related to QNMR. To which of the following is AJSU related to following the same logic?

A. FPYY

B. EPXY

C. FOXZ



D. EOYZ

Q18 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: FEI :: POS : %

A. # = EFJ , % = QPT

B. # = EDH , % = QPT



C. # = EDG , % = POS

D. # = EDH , % = QOU

Q19 Position Pattern

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. JHE

B. HFC

C. LJK



D. PNK

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TX-UY

B. VZ-WA

C. EI-EL



D. SW-TX

Q21 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word DANGEROUS is arranged in the English alphabetical order?

A. Two

B. One



C. None

D. Three



Q22 Shortest Distance

Aparna started from a hotel and walked 4 m towards the west. She then took a right turn and walked 6 m before taking a left turn and walking 10 m. She finally took a left turn, walked 6 m and reached her house. What is the shortest distance between her house and the hotel?

A. 12 m

B. 14 m ☒

C. 18 m

D. 20 m

Q23 Square/Cube Based

144 is related to 12 following a certain logic. Following the same logic, 225 is related to 15. To which of the given options is 169 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 14

B. 12

C. 13 ☒

D. 15

Q24 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A – B means 'A is the wife of B', and
A @ B means 'A is the father of B'.

How is S related to U if 'S # M – H % Y @ U'?

A. Father's father

B. Father's brother's son ☒

C. Father's brother

D. Brother's son

Q25 Symbol Based

In a certain code language,
A + B means 'A is the father of B',
A – B means 'A is the brother of B',
A × B means 'A is the son of B' and
A ÷ B means 'A is the sister of B'.

How is S related to N if 'S – T + U ÷ V × N'?

A. Sister's husband

B. Mother's brother

C. Daughter's husband

D. Husband's brother ☒**Q26 Symbol Included Pattern**

Refer to the given letter, number and symbol series and answer the question that follows. Counting to be done from left to right.

(Left) F 5 E @ D L N % 8 B * R Z 6 Q 3 # P N 4 Y 7 & K A
(Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a letter?

A. Two ☒

B. Four

C. One

D. Three

Q27 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 9 \$ 2 # 8 & 3 @ 1 % 6 * 7 (Right)

If all the numbers are dropped, which of the following elements will be fourth from the left?

A. @ ☒

B. &

C. #

D. \$



Q28 Symbol Substitution

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

$$72 \text{ D } 8 \text{ B } 4 \text{ C } 5 \text{ A } 15 = ?$$

A. 8

B. 10

C. 4



D. 12

Q29 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, D, R, C, Z and Y each having a different height, which pole is the tallest?

(I) D is taller than only two poles. R is immediately taller than Y

(II) Z is taller than Y

A. Statement (II) alone is sufficient, but statement (I) alone is not sufficient.

B. Both statements (I) and (II) together are NOT sufficient to answer the question, but neither alone is sufficient.



C. Both statements (I) and (II) together are sufficient to answer the question.

D. Statement (I) alone is sufficient, but statement (II) alone is not sufficient.

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pink are blue.

All blue are sky.

Conclusions:

(I) Some sky are blue.

(II) Some sky are pink.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only D has interview after Y. Only three people have interview between X and Y. Only three people have interview between G and D. F has interview on some day before E and on some day after C.

How many people have interview after X?

A. Three

B. Five

C. Two

D. Four

Q2 Facing Center

Eight people (M, N, O, P, Q, R, S and T) are sitting around a circular table facing towards the centre.

There are exactly three people sitting between M and R.

P is sitting to the immediate left of M.

N is an immediate neighbour of both M and S.

R is an immediate neighbour of both Q and T.

T is sitting second to the left of P.

Who is sitting immediately between P and T when counted from the left of P?

A. M

B. S

C. O

D. Q

Q3 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor numbered 4. Only two people live between D and T. Only B lives between D and S. A lives immediately below D. Who lives on floor number 2?

A. S

B. A

C. C

D. T

Q4 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

RRR OQP LPN ? FNJ

A. UOP

B. OIU

C. IOL

D. OPI

Q5 Letters Between Two Positions

This question is based on the given words.

JAM COT GEL EYE

How many letters are there in the English alphabetical order between the third letter of the second word from the right and the second letter of the second word from the left?

A. Five

B. Three

C. Four

D. Two

Q6 Letters in a Given Word

This question is based on the given words.

FAN OUH WIN YUP

If in each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order, how many letter-clusters thus formed will have no vowel?

A. Two

B. Zero

C. Three

D. One



Q7 Letters in a Given Word

Each vowel in the word CANDLESTICK is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. F

B. B

C. J



D. R

Q8 Missing Number

What should come in place of the question mark (?) in the given series?

115 142 169 196 223 ?

A. 250



B. 253

C. 256

D. 247

Q9 Multiple Turns

Raghav starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 15 km, turns left and drives 29 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the west

B. 5 km to the west

C. 5 km to the east

D. 4 km to the east

**Q10 Number Series**

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 7 1 6 7 9 6 3 7 9 8 7 4 4 4 8 9 3 6 9 8 8 6 1 1 8 7 3
(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

A. 5



B. 6

C. 7

D. 4

Q11 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 8 9 1 6 7 4 2 6 7 9 1 8 3 1 5 7 5 3 5 5 1 2 8 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. One



B. None

C. Two

D. Three

Q12 Operation Based

18 is related to 37 following a certain logic. Following the same logic, 36 is related to 73. To which of the given options is 54 related, following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 107

B. 113

C. 109



D. 111

Q13 Operation Based

19 is related to 57 in a certain way. Following the same way, 16 is related to 48. To which of the following is 2 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 8

B. 7

C. 5

D. 6



Q14 Operation Based Coding

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 7164259, what will be the sum of first two digits from left in the new number thus formed?

A. 12

B. 8

C. 6



D. 10

Q15 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, which of the following digits will be third from the left in the new number thus formed?

A. 5

B. 3



C. 0

D. 2

Q16 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: DBY :: SQN : %

A. # = GFB % = PNS

B. # = GEB % = PNK



C. # = GRT % = POK

D. # = ERB % = PMD

Q17 Pattern Based

GAIN is related to ICGL in a certain way based on the English alphabetical order. In the same way, TWIN is related to VYGL. To which of the following options is MILK related, following the same logic?

A. OPMH

B. OKJI



C. PMJI

D. NKHG

Q18 Pattern Based

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

FO – IR – LU

GC – JF – MI

A. DP – GS – JU

B. MA – PD – SG



C. CH – GK – JO

D. NF – RJ – TL

Q19 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. VY-AD

B. ZC-EH

C. IL-NQ

D. OR-SY

**Q20 Position Pattern**

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. JM - HK

B. IK - FH



C. PS - NQ

D. TW - RU

Q21 Position from Left/Right

Each of the digits in the number 1235684 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8



B. 5

C. 10

D. 12



Q22 Position from Left/Right

Mr. Plx ranked 87th from the top and 67th from the bottom in his class. How many students are there in his class?

A. 155

B. 145

C. 153



D. 157

Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word TEAMWORK is arranged in the English alphabetical order?

A. Three

B. One

C. None

D. Two

**Q24 Single Row (One-way/Both-way)**

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

R sits second to the right of Q. Only two people sit to the left of Q. Only three people sit between Q and Z. Only two people sit between R and P. I sits at some place to the right of J but at some place to the left of K. How many people sit to the right of I?

A. Two

B. Three



C. One

D. Four

Q25 Symbol Based

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the husband of B',
A × B means 'A is the daughter of B', and
A ÷ B means 'A is the wife of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Son

B. Brother

C. Son's son

D. Daughter's son

**Q26 Symbol Based**

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Pranav related to Shilpa if 'Pranav \$ Geeta # Harsha @ Jyoti % Shilpa'?

A. Father's father's brother's daughter

B. Father's mother's brother's wife



C. Father's mother's brother's daughter

D. Father's father's brother's wife

Q27 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 5 @ 8 % 3 1 & 7 & 4 \$ Ω 2 * 5 # £ 6 (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the left?

A. 2

B. 7



C. 4

D. 1

Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 Sticks, U, R, N, S and T each having a different height, which Stick is the tallest?

(I) U is shorter than R but taller than N. N is taller than only one Stick

(II) S is taller than T

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

D. Both statements I and II together are NOT sufficient to answer the question



Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some books are novels.
All novels are stories.

Conclusions:

- (I) Some stories are books.
(II) No books are stories.

A. Only conclusion (I) follows



B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All birds are feathers.
No feather is a paw.

Conclusions:

- (I) No birds is a paw.
(II) Some paws are feathers.

A. Only conclusion (I) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Wednesday. Only one person has an exam between P and R. U has an exam immediately after R. Only three people have an exam between U and Q. V has an exam after S but before Q. When does T have an exam?

- A. Thursday
- B. Monday
- C. Sunday
- D. Saturday

Q2 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

P sits to the immediate right of J. Only three people sit between Q and R when counted from the left of Q. Only three people sit between J and I when counted from the right of I. Z is an immediate neighbor of I as well as R. Who sits third to the left of K?

- A. Q
- B. Z
- C. I
- D. R

Q3 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K.

How many boxes are kept between Q and T?

- A. Four
- B. Two
- C. One
- D. Three

Q4 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LPL NRN PTP RVR ?

- A. TXT
- B. TUT
- C. TWS
- D. TYT

Q5 Letter Analogy

OS 5 is related to PP -5 in a certain way. In the same way, FJ 9 is related to GG -1. To which of the following is LN 11 related, following the same logic?

- A. HJ 3
- B. VG 4
- C. HM 2
- D. MK 1

Q6 Letter to Number Mapping

In a certain code language "QEHU" is coded as "153" and "ZBKN" is coded as "159". What is the code for "SWGJ" in the given language?

- A. 169
- B. 177
- C. 171
- D. 165

Q7 Linear Family Relations

A is father of B. B is brother of C. C is wife of D. How is A related to D?

- A. Wife's Father
- B. Mother's Brother
- C. Wife's Mother
- D. Brother



Q8 Missing Number

What should come in place of the question mark (?) in the given series?

33 39 46 54 63 73 ?

A. 84



B. 81

C. 87

D. 82

Q9 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 9 1 2 4 9 7 7 5 6 1 1 5 4 7 3 7 4 5 4 2 6 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. None

B. One



C. Two

D. Three

Q10 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

19 - 266 - 38 ;

42 - 588 - 84

A. 49 - 686 - 99

B. 14 - 196 - 29

C. 35 - 490 - 70



D. 28 - 392 - 66

Q11 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 - 16 - 26 - 52

7 - 49 - 59 - 118

A. 17 - 38 - 48 - 88

B. 11 - 22 - 44 - 54

C. 9 - 81 - 91 - 182



D. 5 - 25 - 50 - 60

Q12 Operator Swap

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$1184 \div 2 + 909 \times 3 - 401 = ?$

A. 2738

B. 2466



C. 2868

D. 2146

Q13 Operator Swap

If '+' means 'x', '-' means '÷', 'x' means '+' and '÷' means '-', then what will come in place of the question mark (?) in the following equation?

$25 - 5 + 6 \times 2 \div 4 = ?$

A. 28



B. 32

C. 30

D. 26



Q14 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NRP :: FSW : %

A. #=LPR, %=HUT

B. #=LPR, %=HUU ✓

C. #=LPR, %=HUV

D. #=LPR, %=HVV

Q15 Pattern Based

EBIG is related to KHOM in a certain way based on the English alphabetical order. In the same way, HELJ is related to NKRP. To which of the following is LIPN related, following the same logic?

A. ROTV

B. ROVT ✓

C. ORVT

D. ORTV

Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ONR

B. SRV

C. QQT ✓

D. VUY

Q17 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. DI - AF

B. XB - UY

C. QR - MP ✓

D. KO - HL

Q18 Position from Left/Right

In a row of 100 students facing the north, Sukhi's position is 25th from left and Abhishek's position is 34th from right. Ramesh is sitting exactly between both of them, then find the position of Ramesh with respect to Sukhi.

A. 20th

B. 21st ✓

C. 23rd

D. 22nd

Q19 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

JAR PIT FEW NOR

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many words thus formed have no vowels?

A. One ✓

B. Three

C. Two

D. Four

Q20 Shifting Pattern (+1, +2, etc.)

Each vowel in the word ABILITY is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

A. A ✓

B. K

C. B

D. S



Q21 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

SON WIL TEN JUN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

A. One

B. Three

C. Two

D. Four

Q22 Shifting Pattern (+1, +2, etc.)

Each vowel in the word VOYAGE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

A. F

B. P

C. B

D. X

Q23 Single Row (One-way/Both-way)

Six people, L, M, N, O, P, and Q, are sitting in a straight line, facing the north.

Only one person sits between L and Q. N sits at the extreme right end. P sits third to the left of N. L sits to the immediate right of O.

Who sits to the immediate right of P?

A. Q

B. M

C. O

D. L

Q24 Symbol Based

In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the daughter of B',
A × B means 'A is the husband of B', and
A ÷ B means 'A is the mother of B'.

How is P related to T if 'P + Q - R × S - T'?

A. Daughter's daughter

B. Son

C. Son's daughter

D. Daughter

Q25 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) L = W L & > P < T ? H € M ÷ J # V @ & A ¥ M ? Q % P ∞ (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by another symbol?

A. Two

B. One

C. Three

D. None

Q26 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 7 > / 5 + & 5 & 8 9 ^ 7 4 2 2 \ 3 @ 4 \$ (Right)

How many such symbols are there, each of which is immediately preceded by another symbol and also immediately followed by a number?

A. One

B. Two

C. Zero

D. Three



Q27 Symbol Substitution

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?

$$(12 \text{ Q } 3) \text{ P } 7 \text{ R } 5 \text{ P } 4 \text{ S } 12 = ?$$

A. 12

B. 20



C. 28

D. 34

Q28 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) M is taller than only one stick. B is taller than U.

(II) M is taller than D.

A. Data in statement I alone is sufficient to answer the question while data in statement II is not.

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

D. Both statements I and II together are NOT sufficient to answer the question.

Q29 Word to Code Mapping

In a certain code language, 'curtain for door' is coded as 'ar yb qj' and 'door is open' is coded as 'yb gt ol'. How is 'door' coded in that language? (All the codes are two-letter codes only.)

A. yb



B. ol

C. qj

D. gt

Q30 Word to Code Mapping

In a certain code language, 'shut the business' is coded as 'qt gv bx' and 'business is down' is coded as 'mj yp gv'. How is 'business' coded in that language? (All the codes are two-letter codes only.)

A. bx

B. gv



C. qt

D. yp



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Floor/Building Arrangement

Eight boxes, M, N, O, P, Q, R, S and T, are kept one over the other, but not necessarily in the same order.

Only three boxes are kept between N and R. Only two boxes are kept between R and M. Only two boxes are kept between O and T. T is kept at lowermost position. S is kept immediately above Q. Only P is kept exactly between R and O. T is kept immediately below R.

How many boxes are kept exactly between T and M?

A. Three



B. Four

C. One

D. Two

Q2 Floor/Building Arrangement

G, H, J, K, L, and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 6. Only two people live between H and K. Only P lives above G. J lives on an even-numbered floor. H lives on the lowermost floor. How many people live between L and P?

A. Two



B. Four

C. One

D. Three

Q3 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
DCF HGJ LKN POR ?

A. TUW

B. TRU

C. TTU

D. TSV

**Q4 Letter Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) C G I D Q R O A J Y C E C P B Q I F O O J C (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. 2

B. 0

C. 3

D. 1

**Q5 Letter Series**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P A O R T L Z O Q W E U M H B D E X D E S A (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 4



B. 5

C. 6

D. 3

Q6 Letters Between Two Positions

Each letter in the word INJURED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is fourth from the left and the one that is second from the right in the new letter-cluster thus formed?

A. 7



B. 10

C. 6

D. 8



Q7 Letters in a Given Word

This question is based on the given words.

FIRE BOND GULP CROW

In each of the words, each consonant is changed to the letter immediately preceding it in the English alphabetical order and each vowel is kept unchanged. How many words thus formed have more than one vowel?

A. Two

B. One

C. Three



D. Four

Q8 Letters in a Given Word

This question is based on the given words.

TSO MUD FAN KID

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed will no vowel appear?

A. Four

B. Three



C. Two

D. One

Q9 Missing Number

What should come in place of the question mark (?) in the given series?

66 59 53 48 44 41 ?

A. 37

B. 38

C. 39



D. 40

Q10 Operation Based

23 is related to 258 following a certain logic. Following the same logic, 31 is related to 346. To which of the following is 46 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 526

B. 565

C. 539

D. 511

**Q11 Operation Based**

3 is related to 12 in a certain way. Following the same way, 12 is related to 48. To which of the following is 16 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 63

B. 65

C. 62

D. 64

**Q12 Operator Swap**

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?

213 D 48 C 5 B 54 A 9 = ?

A. 195



B. 198

C. 194

D. 193



Q13 Operator Swap

What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$73 - 13 \div 8 + 123 \times 3 = ?$$

A. 136



B. 135

C. 133

D. 139

Q14 Operator Swap

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$238 \div 65 \times 455 - 265 + 139 = ?$$

A. 126

B. 160



C. 106

D. 261

Q15 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DOG : GRJ

BST : EVW

A. CIG : FKJ

B. EHL : IFP

C. TEL : VHP

D. KAL : NDO

**Q16 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: NOA :: RUZ : %

A. # = PMC, % = PWU

B. # = PMC, % = PWY

C. # = PMC, % = PYX

D. # = PMC, % = PWX

**Q17 Pattern Based**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MNO : LPL

IPH : HRE

A. RRL : QTH

B. NVS : MWP

C. OKL : NMH

D. HGR : GIO

**Q18 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UY-CI

B. JN-RX

C. VZ-DJ

D. CG-VO

**Q19 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. ZDB

B. NSP



C. BFD

D. YCA

Q20 Position from Left/Right

20 people are sitting in a row facing north. Tarun is 5th from the right end of the row. If Aman sits 10th to the left of Tarun, what is Aman's position from the right end of the row?

A. 16th

B. 15th



C. 13th

D. 14th



Q21 Rearrangement of Letters

Each letter in the word ENCRYPT is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?

A. X

B. B

C. O

D. Q

**Q22 Shortest Distance**

Shankar started walking from Point A. He walked towards south for 5 km. He took a right turn and walked for 7 km. There he took a left turn and walked for 2 km. Again, he took a left turn and walked for 9 km. At last, he took a left turn and walked for 7 km. How far (shortest distance) and towards which direction should he walk in order to reach Point A again?

A. 7 km towards west

B. 2 km towards west



C. 7 km towards east

D. 2 km towards east

Q23 Shortest Distance

Junaid starts from Point A and drives 17 km towards north. He then takes a right turn, drives 16 km, turns right and drives 22 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards east



B. 2 km towards east

C. 4 km towards east

D. 1 km towards east

Q24 Shortest Distance

Purshottam starts from Point A and drives 13 km towards the north. He then takes a left turn, drives 8 km, turns left and drives 21 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the west



B. 6 km to the east

C. 5 km to the east

D. 6 km to the west

Q25 Single Row (One-way/Both-way)

A, B, C, D, E, F and G are sitting in a straight line facing the north.

No one sits to the right of G. Only three people sit between G and F. Only two people sit between F and B. C sits third to the left of D. E sits to the immediate right of D.

How many people sit to the right of F?

A. 2

B. 3

C. 1

D. 4

**Q26 Single Row (One-way/Both-way)**

Six people, C, D, E, O, P and Q, are sitting in a row, facing north.

Only three people sit to the left of E. Only C sits to the right of D. Only two people sit between D and P. Q sits at some place to the right of O.

How many people sit between O and Q?

A. Two

B. Three

C. None

D. One

**Q27 Symbol Based**

In a certain code language,
A + B means 'A is the daughter of B',
A - B means 'A is the wife of B',
A × B means 'A is the son of B',
and A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S ÷ T'?

A. Sister

B. Son's daughter



C. Daughter

D. Daughter's daughter

Q28 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Kartik related to Naira if 'Kartik # Manish % Uday @ Chanchal \$ Naira'?

A. Wife's mother's father's father

B. Wife's mother's father's brother



C. Wife's mother's mother's father

D. Wife's mother's mother's brother



Q29 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) T Y & 3 4 @ 5 F # G % H 7 9 V B 6 N 4 * (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the right?

A. H



B. V

C. #

D. &

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All wallets are jugs.

Some wallets are mats.

Conclusions:

(I) Some jugs are mats.

(II) All mats are wallets.

A. Only conclusion (II) follows

B. Only conclusion (I) follows



C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Analogy

NZ 15 is related to PY 4 in a certain way. In the same way, EL 8 is related to GK -3. To which of the following is OQ 18 related, following the same logic?

A. PU 8

B. GR 6

C. QP 7



D. GT 4

Q2 Analogy

JJ 8 is related to LF -1 in a certain way. In the same way, UP 5 is related to WL -4. To which of the following is QQ 12 related, following the same logic?

A. WR 1

B. FR 2

C. SM 3



D. HJ 4

Q3 Basic Direction

Town L is to the west of Town P. Town N is to the north of Town P. Town S is to the west of Town N. Town M is to the south of Town S. Town L is to the north-west of Town M. What is the position of Town S with respect to Town L?

A. North-east



B. North-west

C. South-east

D. South-west

Q4 Facing Center

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

Only two people are seated between F and C when counted from the left of C. D is seated third to the left of E. B is seated to the immediate right of E. B is seated second to the left of F. G is an immediate neighbour of D.

How many people are seated between A and C when counted from the right of C?

A. 3

B. 1

C. 4

D. 2



Q5 Floor/Building Arrangement

Eight boxes, A, B, C, D, E, F, G and H, are kept one over the other, but not necessarily in the same order.

A is kept at third position from the top. Only three boxes are kept between D and A. Only F is kept between C and G.

Only two boxes are kept between C and H. B is kept at one of the positions above G.

How many boxes are kept exactly between A and G?

A. Four

B. Two



C. One

D. Three

Q6 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

OUF LSE IQD ? CMB

A. KJU

B. FTR

C. FOC



D. GTF

Q7 Letter to Number Mapping

In a certain code language "YCMI" is coded as "174" and "PSXE" is coded as "132". What is the code for "LAMU" in the given language?

A. 176

B. 172

C. 183



D. 187

Q8 Letters Between Two Positions

Each letter in the word VOTABLE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fifth from the left and the one which is first from the right in the new letter cluster thus formed?

A. 6



B. 4

C. 5

D. 8



Q9 Letters Between Two Positions

All the individual letters in the word FILCHED are arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter cluster thus formed?

- A. Two
- B. Four
- C. One
- D. Three

Q10 Letters in a Given Word

This question is based on the following words.
PET HUS DOG THY

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. Two
- B. Three
- C. One
- D. Four

Q11 Letters in a Given Word

This question is based on the following words:
NAP KIT GUN DRY

If in each of the words, each letter is changed to the immediate letter following it in the English alphabetical order, how many letter-clusters thus formed will have no vowel?

- A. None
- B. Four
- C. Three
- D. Two

Q12 Linear Family Relations

G is mother of H. H is wife of I. I is father of J. How is G related to J?

- A. Father's Mother
- B. Mother
- C. Sister
- D. Mother's Mother

Q13 Missing Number

What should come in place of the question mark (?) in the given series?

53 56 62 71 83 98 ?

- A. 116
- B. 124
- C. 113
- D. 121

Q14 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 6 5 2 9 4 4 5 7 7 6 3 2 1 8 8 3 8 7 3 6 3 3 5 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. Three
- B. One
- C. Two
- D. None

Q15 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

76 - 456 - 423 ;
85 - 510 - 477

- A. 93 - 558 - 525
- B. 71 - 426 - 383
- C. 68 - 408 - 373
- D. 55 - 360 - 330



Q16 Operation Based

31 is related to 62 in a certain way. Following the same way, 26 is related to 52. To which of the following is 4 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 3

B. 5

C. 8



D. 7

Q17 Operator Swap

If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?

$$12 P 6 R (40 Q 8) P 7 = ?$$

A. 44

B. 59

C. 21

D. 37

**Q18 Operator Swap**

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$227 C 135 A 9 B 5 D 89 = ?$$

A. 206

B. 205

C. 213



D. 158

Q19 Operator Swap

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$20 D 66 A 3 C 10 B 9 = ?$$

A. 86

B. 85

C. 88



D. 87

Q20 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

KNU : HPX

GPP : DRS

A. FNH : CPJ

B. KJE : HLH



C. QLJ : NNL

D. YVQ : VWT

Q21 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. MPT

B. PSW

C. KOR



D. ZCG

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MS - RX

B. IO - NT

C. KQ - JI



D. LR - QW

Q23 Position from Left/Right

Rakesh ranked 56th from the top and 12th from the bottom in his class. How many students are there in his class?

A. 67



B. 65

C. 66

D. 68



Q24 Position from Left/Right

Raman ranked 15th from the top and 10th from the bottom in his class. What is the total number of students in his class?

A. 25

B. 23

C. 24 

D. 22

Q25 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Only one person sits between R and Q. Only five people sit between J and Z. R sits to the immediate left of Z. K sits at some place to the left of I but at some place to the right of P.

Who sits third from the left end of the row?

A. K 

B. I

C. Q

D. R

Q26 Symbol Based

In a certain code language,
'A × B' means 'A is the son of B',
'A – B' means 'A is the brother of B',
'A + B' means 'A is the wife of B',
'A % B' means 'A is the father of B'.

How is M related to T if 'M – N % P + S × T'?

A. Son's wife's father's brother 

B. Son's wife's father

C. Son's wife's father's father

D. Son's wife's brother

Q27 Symbol Included Pattern

Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) \ ^ 8 / 1 1 % 4 % 3 \ ? / 2 / @ 7 ? @ @ \$ (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?

A. None

B. Two

C. Three

D. One **Q28 Symbol Included Pattern**

Refer to the following letter, number, and symbol series and answer the question that follows. (All numbers are single-digit numbers only. Counting to be done from left to right only.)

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 Ω E C D (Right)

How many such numbers are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

A. One

B. Three 

C. Two

D. None

Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All flowers are plants.

Some plants are trees.

Conclusions:

(I) Some trees are flowers.

(II) All flowers are trees.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows 

D. Only conclusion (I) follows

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All ostriches are kiwis.

No ostrich is a pigeon.

Conclusions:

(I) No kiwi is a pigeon.

(II) Some pigeons are ostriches.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows 

General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabet / Word Test

Each of the digits in the number 5698321 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 11

B. 9

C. 12

D. 10

**Q2 Day of Week Assignment**

Each of A, B, C, D, P, Q and R has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.

C has the exam on Friday. Only two people have exams between D and C. Only four people have exams between R and D. B has the exam immediately after Q. P does not have the exam on Monday.

How many people have the exam before P and after A?

A. Two

B. Four



C. Three

D. One

Q3 Day of Week Assignment

Each of C, D, E, F, G, X and Y has interview on a different day of a week, starting from Monday and ending on Sunday of the same week.

C has interview on Sunday. Only three people have interview between Y and C. Only one person has interview between E and X. G has interview immediately the day before D. F doesn't have interview on Friday. X has interview immediately before Y.

How many people have interview after F?

A. Four

B. Three

C. Five

D. Six

**Q4 Facing Center**

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

P sits third to the left of K. Only one person sits between R and J when counted from the left of J. Q sits third to the right of Z. Q sits to the immediate right of P. I is not an immediate neighbor of P.

Who sits third to the left of R?

A. I

B. Q



C. P

D. J

Q5 Floor/Building Arrangement

G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. G lives on floor numbered 4. Only two people live between G and L. Only P lives between G and J. H lives immediately below G. Who lives on floor number 2?

A. G

B. L

C. P

D. K

**Q6 Group Pattern**

What should come in place of ? in the given series based on the English alphabetical order?

PGD MFF JEH GDJ ?

A. FGR

B. BGT

C. DCL



D. LKJ



Q7 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

SBM : # :: % : GOD

A. # = SAL, % = HPE

B. # = RAL, % = HPE

C. # = RAL, % = HPD

D. # = SBN, % = HPE

Q8 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ZQB : CSC

OIF : RKG

A. SBU : VFT

B. LCX : NEA

C. TCR : WES

D. NDS : RHV

Q9 Letter Analogy

MKRO is related to SQXU in a certain way based on the English alphabetical order. In the same way, JHOL is related to PNUR. To which of the following is ECJG related, following the same logic?

A. IKPM

B. KIPM

C. IKMP

D. KIMP

Q10 Letter Series

Refer to the following letter series and answer the question. Counting to be done from left to right only.

(Left) U S A O S H T E D W W U X Z Z U O N A I F F (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 1

B. 4

C. 2

D. 3

Q11 Letters in a Given Word

This question is based on the given words.

PLAN FREY BORN WANT

How many letters are there between the fourth letter of the first word from the right and the fourth letter of the first word from the left as per the English alphabetical order?

A. Five

B. Six

C. Four

D. Three

Q12 Missing Number

What should come in place of the question mark (?) in the given series?

64 82 100 118 136 154 ?

A. 172

B. 168

C. 174

D. 170

Q13 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 5 7 2 8 8 9 3 2 5 4 4 9 8 5 6 1 2 7 3 1 7 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. None

B. Three

C. Two

D. One



Q14 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

145 - 725 - 404 ;
159 - 795 - 474

A. 159 - 795 - 464

B. 164 - 820 - 499

C. 122 - 610 - 389

D. 139 - 695 - 383

Q15 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17 - 34 - 68 - 98;
21 - 42 - 84 - 114

A. 23 - 46 - 92 - 122

B. 24 - 48 - 52 - 62

C. 27 - 54 - 72 - 92

D. 32 - 64 - 128 - 138

Q16 Operator Swap

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$259 \div 66 \times 462 - 483 + 321 = ?$

A. 199

B. 919

C. 119

D. 209

Q17 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. BF - ZD

B. LO - IL

C. RV - PT

D. PT - NR

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LJM

B. VUW

C. AYB

D. WUX

Q19 Rearrangement of Letters

Each of the digits in the number 52369841 is arranged in descending order from left to right. Which of the following digits will be fifth from the right in the new number thus formed?

A. 5

B. 6

C. 4

D. 8

Q20 Shifting Pattern (+1, +2, etc.)

Each vowel in the word FLIGHTY is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

A. G

B. I

C. H

D. M



Q21 Shifting Pattern (+1, +2, etc.)

Each vowel in the word DECOMPOSERS is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. T



B. D

C. Q

D. N

Q22 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.
VAN POS CUT DIE

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. Four

D. One

Q23 Single Row (One-way/Both-way)

Seven people, P, Q, R, S, T, U, and V, are sitting in a straight line, facing the north.

Only two people sit to the left of Q. S sits to the immediate right of Q. Only two people sit between S and R. R does not sit to the extreme left end of the line. P sits to the immediate left of U. Only T sits between V and R.

Who sits at the extreme right end of the line?

A. U

B. R



C. P

D. T

Q24 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B'
A # B means 'A is the brother of B'
A \$ B means 'A is the wife of B'
A % B means 'A is the father of B'.

How is Sid related to Aditya if 'Sid # Kashish \$ Tarun % Puneet @ Aditya'?

A. Mother's father's brother

B. Mother's mother's brother



C. Mother's mother's father

D. Mother's father's father

Q25 Symbol Based

In a certain code language,
A + B means 'A is the daughter of B',
A - B means 'A is the wife of B',
A × B means 'A is the son of B', and
A ÷ B means 'A is the husband of B'.

How is P related to T if 'P + Q - R × S - T'?

A. Son's daughter



B. Daughter

C. Sister

D. Daughter's daughter

Q26 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) + F M A @ M S < Z = V P & M = A % T @ # ? Ω F J > P = (Right)

How many such letters are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

A. Two

B. Three

C. Five

D. Four



Q27 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: M, N, O, P, and Q - each got different marks. Who got the highest marks?

Statements:

(I) N scored more than M and O. M scored more than P and Q.

(II) P scored more than O. Q scored less than M.

- A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C. Both statements I and II together are NOT sufficient to answer the question
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not ✓

Q28 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, B, U, N, M and D, each having a different height, which stick is the shortest?

(I) D is taller than only two sticks. M is taller than D but shorter than N.

(II) B is taller than U.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Data in statement I alone is sufficient to answer the question while data in statement II is not.
- C. Both statements I and II together are NOT sufficient to answer the question.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among 5 sticks, U, R, N, S and T, each having a different height, which stick is the shortest?

(I) T is shorter than R. S is shorter than U.

(II) S is taller than T.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together are NOT sufficient to answer the question. ✓
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q30 Word to Code Mapping

In a certain code language, 'cut the ice' is coded as 'th vd kb' and 'make sharp cut' is coded as 'vd ry mu'. How is 'cut' coded in that language? (All the codes are two-letter codes only.)

- A. ry
- B. vd ✓
- C. kb
- D. th



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Basic Direction

Town B is to the west of Town X. Town C is to the east of Town X. Town D is to the south of Town C. Town C is to the west of Town A.

What is the position of Town X with respect to Town A?

A. West



B. East

C. South

D. North

Q2 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

R sits third to the left of I. Z sits to the immediate left of I. P sits to the immediate left of J. J sits second to the left of K.

Who sits second to the right of Q?

A. P

B. K

C. J



D. R

Q3 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. D lives on floor number 5. B lives on a floor above D. Only C lives below T. S lives on an even numbered floor. How many people live below A?

A. Two



B. Three

C. Four

D. One

Q4 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

A. T



B. R

C. I

D. K

Q5 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EAW BXT YUQ VRN ?

A. SER

B. SOP

C. SOK



D. SLO

Q6 Letter Analogy

JK 6 is related to LG -3 in a certain way. In the same way, HI 8 is related to JE -1. To which of the following is ST 10 related, following the same logic?

A. UP 1



B. RU 2

C. RD 4

D. KI 3

Q7 Letter Analogy

Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

LH-NJ-PQ
OK-QM-ST

A. RN-TP-VW



B. SN-TP-VX

C. SN-TO-VX

D. RN-TP-VX

Q8 Letter Analogy

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

STY : WWW
BQX : FTV

A. PSG : TVE



B. QMQ : UPN

C. LFP : PIM

D. SWT : WYR



Q9 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P H E D L B J E A E H I A Z E E I Q A A I W (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 1

B. 3

C. 2



D. 4

Q10 Missing Number

What should come in place of the question mark (?) in the given series?

48 63 78 95 112 131 ?

A. 150



B. 146

C. 154

D. 158

Q11 Operation Based

9 is related to 32 following a certain logic. Following the same logic, 18 is related to 59. To which of the following is 12 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 26

B. 41



C. 44

D. 53

Q12 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number, and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

122 - 976 - 244 ; 119 - 952 - 238

A. 101- 808 - 302

B. 112 - 896 - 298

C. 187 - 996 - 442

D. 107 - 856 - 214

**Q13 Operation Based Coding**

In a certain code language, "JUMOC" is coded as "15" and "QYATXZR" is coded as "21". What is the code for "VTGZXAIW" in that language?

A. 29

B. 21

C. 24



D. 30

Q14 Operation Based Coding

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 518624, what will be the difference between the last and first digits from right in the number thus formed?

A. 1

B. 3



C. 4

D. 5

Q15 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. JMO

B. HKM

C. NQS

D. MQR



Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. DCX



B. VTP

C. HFB

D. CAW

Q17 Position from Left/Right

In a row of 66 students facing the north, Nidhi's position is 18th from the left end and Sonu's position is 28th from the right end. How many students are sitting between Nidhi and Sonu?

A. 19

B. 20



C. 22

D. 21

Q18 Rearrangement of Letters

Each letter in the word WRINKLE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one that is first from the right in the new letter cluster thus formed?

A. 12

B. 14

C. 17



D. 13

Q19 Rearrangement of Letters

Each of the digits in the number 7942586 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Three

B. Two

C. One



D. None

Q20 Rearrangement of Letters

Each of the digits in the number 7129865 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 6

C. 8

D. 12

Q21 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

KIT BUY HEN TEN

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letter-clusters thus formed will have at least two vowels?

A. Two

B. One

C. Three

D. None

**Q22 Shifting Pattern (+1, +2, etc.)**

This question is based on the following words.

RAY DUE AMP DOF

In each of the words, each vowel is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Two



B. Three

C. One

D. Four

Q23 Shifting Pattern (+1, +2, etc.)

Each vowel in the word CAPTURE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

A. 3

B. 1



C. 2

D. 0



Q24 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing north. Only V sits to the left of W. There are exactly four people between V and P. Only Q sits between S and U, and S is not an immediate neighbour of P. Based on the given information, who is sitting at the extreme right end of the row?

A. S

B. T

C. P

D. W

Q25 Symbol Based

In a certain code language,
 A + B means 'A is the daughter of B',
 A @ B means 'A is the brother of B',
 A - B means 'A is the wife of B', and
 A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y - R # B @ G'?

A. Mother

B. Wife

C. Daughter

D. Sister

Q26 Symbol Based

In a certain code language,
 A @ B means 'A is the mother of B',
 A # B means 'A is the brother of B',
 A \$ B means 'A is the wife of B',
 A % B means 'A is the father of B'.

How is Suzy related to Brit if 'Suzy @ Alex % Kabir # George \$ Brit'?

A. Wife's mother's mother

B. Wife's mother's sister

C. Wife's father's mother

D. Wife's father's sister

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the right?

A. R

B. T

C. K

D. #

Q28 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) W U C C U ^ * H / J + / # U Q # J V D T K (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. Two

B. Four

C. One

D. Three

Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All phones are jugs.

Some phones are caps.

Conclusions:

(I) Some jugs are caps.

(II) All caps are phones.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows



Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All blankets are feathers.

No feather is a light.

Conclusions:

(I) No blanket is a light.

(II) Some lights are feathers.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows



C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week, starting from Monday and ending on Sunday. P has an exam on Friday. Only one person has an exam between P and R. U has an exam immediately before R. Only three people have an exam between U and V. T has an exam after V but before S. When does Q have an exam?

A. Tuesday

B. Thursday

C. Monday



D. Sunday

Q2 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

I sits to the immediate right of Q. Only two people sit between R and P when counted from the right of R. Only three people sit between Z and K when counted from the right of K. P sits to the immediate right of K.

Who sits second to the right of J?

A. P



B. Q

C. I

D. K

Q3 Facing Center

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

B sits third to the left of F. D sits second to the left of G. F is an immediate neighbour of both E and D. A is not an immediate neighbour of B.

How many people sit between E and G when counted from the right of E?

A. 4

B. 3



C. 1

D. 2

Q4 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

A. J

B. I

C. K



D. R

Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

LDE JGD HJC FMB ?

A. HYT

B. DSR

C. GFR

D. DPA



Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GIE :: EGC : %

A. # = JLH , % = BDZ



B. # = JPH , % = BDD

C. # = JOX , % = ASZ

D. # = OBH , % = BER

Q7 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HBO :: LIV : %

A. # = IAR , % = KJS



B. # = IAR , % = KJT

C. # = GCP , % = ILV

D. # = IAR , % = VIL



Q8 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CJM : EHO

GLN : IJP

A. FKM : GMO

B. BPW : DNY



C. DGL : EOH

D. CFO : EHM

Q9 Letter Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) V L E N H N F I N P V O Y B Z Y E W P O A A (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 5



B. 6

C. 4

D. 7

Q10 Missing Number

What should come in place of the question mark (?) in the given series?

72 84 93 105 114 126 ?

A. 138

B. 132

C. 141

D. 135

**Q11 Operation Based**

14 is related to 213 following a certain logic. Following the same logic, 22 is related to 333. To which of the following is 31 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 468



B. 454

C. 436

D. 472

Q12 Operation Based

19 is related to 57 in a certain way. Following the same way, 25 is related to 75. To which of the following is 10 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 30



B. 34

C. 33

D. 31

Q13 Operation Based Coding

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 52183475, what will be the sum of the digits which are first from the left and first from the right in the new number thus formed?

A. 10

B. 14



C. 16

D. 12



Q14 Operator Swap

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$$40 \div 2 + 12 \times 3 - 9 = ?$$

A. 95

B. 105

C. 85



D. 115

Q15 Operator Swap

What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$112 - 32 \div 6 + 88 \times 11 = ?$$

A. 300

B. 291

C. 296



D. 298

Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. KN - GJ

B. BE - XB



C. PS - LO

D. FI - BE

Q17 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MP - PU



B. OR - NQ

C. NQ - MP

D. KN - JM

Q18 Position from Left/Right

In a row of 85 students facing the north, Nishtha's position is 25th from the left end and Vibha's position is 28th from the right end. How many students are sitting between Nishtha and Vibha?

A. 34

B. 33

C. 31

D. 32

**Q19 Rearrangement of Letters**

The position(s) of how many letters will remain unchanged if each letter in the word BLOCKING is arranged in the English alphabetical order?

A. Two

B. None

C. Three



D. One

Q20 Rearrangement of Letters

Each letter in the word KNIFERS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter that is third from the left and the one that is second from the right in the new letter-cluster thus formed?

A. 7

B. 9

C. 8



D. 11

Q21 Shifting Pattern (+1, +2, etc.)

This question is based on the following words:

VAN LIE JOY HEN

If in each of the words, every letter is changed to the letter immediately following it in the English alphabetical order, how many letter-clusters thus formed will have no vowels?

A. Three

B. Four

C. None

D. Two



Q22 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

POR MIC HAS WET

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Four

B. Two

C. Three

D. One

Q23 Shortest Distance

Saksham starts from Point A and drives 18 km towards north. He then takes a left turn, drives 15 km, turns left and drives 21 km. He then takes a left turn and drives 17 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards west

B. 1 km towards north

C. 4 km towards east

D. 2 km towards west

Q24 Shortest Distance

Manohar starts from Point A and drives 16 km towards the north. He then takes a right turn, drives 6 km, turns right and drives 17 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east

B. 4 km to the east

C. 4 km to the west

D. 5 km to the west

Q25 Symbol Based

In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y # R @ B - G'?

A. Wife's sister

B. Mother

C. Sister

D. Wife's mother

Q26 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B'
A # B means 'A is the brother of B'
A \$ B means 'A is the wife of B'
A % B means 'A is the father of B'.

How is Manoj related to Wasim if 'Manoj @ Palak % Soumya \$ Jagriti # Wasim'?

A. Brother's wife's father's mother

B. Brother's wife's father's sister

C. Brother's wife's mother's sister

D. Brother's wife's mother's mother

Q27 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) A \$ 3 B 7 @ M 2 % P 9 # D 4 & H 5 @ J 8 ! (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

A. One

B. None

C. Two

D. Three



Q28 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

How many such symbols are there, each of which is immediately preceded by a letter and immediately followed by a number?

- A. Two
- B. Three
- C. One
- D. None

**Q29 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five children – A, B, C, D, and E – who is the shortest?

(I) A is shorter than B and C. B is shorter than D.

(II) A is shorter than E. B is shorter than E. C is shorter than E. D is shorter than E.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together are NOT sufficient to answer the question.
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

**Q30 Word to Code Mapping**

In a certain code language, 'window is closed' is coded as 'ra cy mb' and 'he is bad' is coded as 'cy tg lo'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

- A. lo
- B. tg
- C. mb
- D. cy



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of A, B, C, D, P, Q and R has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have the exam between Q and B. Only three people have the exam between R and P. D has the exam on some day before A and on some day after C. Only P has the exam after B.

How many people have the exam after Q?

A. Six

B. Four

C. Two

D. Five

**Q2 Day of Week Assignment**

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday. R has an exam on Thursday. Only two people have an exam between V and R. Only three people have an exam between U and V. T has an exam after U but before S. Q has an exam immediately before P but not on Monday. How many people have an exam between V and P?

A. One



B. Three

C. Two

D. None

Q3 Direct Relations

V is wife of W. W is brother of X. X is father of Y. How is V related to Y?

A. Mother's Sister's Husband

B. Brother's Wife

C. Father's Brother's Wife



D. Sister's Husband

Q4 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre. A is sitting to the immediate right of E and immediate left of D. F is sitting to the immediate right of D. G is sitting second to the right of F. C is not the immediate neighbour of F. Who is sitting to the immediate right of F?

A. B



B. G

C. A

D. E

Q5 Facing Center

Seven students, I, J, K, P, Q, R and Z, are sitting around a circular table, facing the center of the table.

Q sits to the immediate left of J. R is an immediate neighbour of both K and Z. Z sits third to the left of J. P is not an immediate neighbor of Z.

Who sits third to the right of I?

A. Q

B. P



C. J

D. R

Q6 Floor/Building Arrangement

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

P lives on the topmost floor. Only three people live between P and G. S lives on a floor below G. A lives on an even-numbered floor. Y lives on an odd-numbered floor but not on floor number 5.

How many people live between H and G?

A. Four

B. Two



C. Three

D. One



Q7 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LRM IOJ FLG CID ?

A. ZAF

B. ZER

C. ZFA



D. ZDS

Q8 Letter to Number Mapping

In a certain code language, 'TINY' is coded as '2176' and 'ANTI' is coded as '7618'. How is 'A' coded in that language?

A. 7

B. 1

C. 6

D. 8

**Q9 Letter to Number Mapping**

In a certain code language, 'TANK' is coded as '9356' and 'AUNT' is coded as '6579'. How is 'U' coded in that language?

A. 6

B. 7



C. 9

D. 5

Q10 Letters in a Given Word

This question is based on the given words.

TRY MAT CAN JUG

If in each of the words, each letter is changed to the second letter immediately following it in the English alphabetical order, how many words thus formed will have more than one vowel?

A. Three

B. Two

C. One

D. None

**Q11 Letters in a Given Word**

Each vowel in the word DECONGESTED is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. A

B. F

C. B



D. E

Q12 Letters in a Given Word

Each vowel in the word 'MOURNED' is changed to the immediate second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

A. C

B. M

C. G

D. Q

**Q13 Letters in a Given Word**

This question is based on the following words.
RUG DOF AMP DIM

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Two



C. Four

D. Three

Q14 Missing Number

What should come in place of the question mark (?) in the given series?

205 181 157 133 109 ?

A. 81

B. 93

C. 89

D. 85



Q15 Operation Based

35 is related to 283 following a certain logic. Following the same logic, 27 is related to 219. To which of the following is 41 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 301

B. 310

C. 331

D. 319

Q16 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

24 - 32 - 42 - 54;
33 - 41 - 51 - 63

A. 18 - 24 - 34 - 52

B. 21 - 31 - 38 - 40

C. 16 - 32 - 42 - 52

D. 34 - 42 - 52 - 64

Q17 Operator Swap

What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

 $8 \div 4 - 38 + 49 \times 7 = ?$

A. 63

B. 61

C. 71

D. 67

Q18 Operator Swap

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

 $77 \div 11 + 225 \times 5 - 126 = ?$

A. 924

B. 914

C. 928

D. 919

Q19 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

 $\# : LMN :: STU : \%$

A. # = LMP, % = VWX

B. # = IJK, % = VWX

C. # = MNP, % = TUS

D. # = XYZ, % = TUS

Q20 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

 $\# : LNJ :: SUQ : \%$

A. # = IKG, % = VXT

B. # = PRO, % = VWX

C. # = MPK, % = WVX

D. # = MPK, % = TUS

Q21 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

 $\# : PLQ :: LHM : \%$

A. # = SPZ, % = QPJ

B. # = SIT, % = IEQ

C. # = SOT, % = IEJ

D. # = PIT, % = IEV



Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HX-QW

B. CS-LR

C. VL-EK

D. TJ-EI **Q23 Position Pattern**

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. TQ - SO 

B. OL - NK

C. FC - EB

D. MJ - LI

Q24 Shortest Distance

Smita starts from Point A and drives 6 km towards north. She then takes a left turn, drives 8 km, turns left and drives 10 km. She then takes a left turn and drives 12 km. She takes a final left turn, drives 4 km and stops at Point B. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 5 km towards south

B. 4 km towards north

C. 4 km towards west 

D. 5 km towards east

Q25 Symbol Based

In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y # R - B @ G'?

A. Brother's wife's mother

B. Brother's daughter

C. Brother's wife's sister 

D. Brother's wife

Q26 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) $\infty * R M \% \& H G W \pi R \beta U H \# * + L \div V A \Omega H M = A$
V (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

A. None

B. One

C. Three

D. Two **Q27 Symbol Included Pattern**

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) + ? & 5 * 1 4 \$ ^ / * > \% @ 8 & & > / 5 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

A. None

B. One 

C. Three

D. Two



Q28 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ V ÷ L ≠ H @ Y S € > K ? V Ω G Z ? U \$ A © E @ \$ U
Ω E (Right)

How many such symbols are there, which are immediately preceded by a symbol and also immediately followed by a letter?

A. Three

B. Two



C. One

D. None

Q29 Symbol Substitution

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

201 D 400 A 5 B 2 C 31 = ?

A. 70

B. 74

C. 72



D. 78

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All apples are fruits.

Some fruits are sweet.

Conclusions:

(I) Some apples are sweet.

(II) All sweet are apples.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows



D. Both conclusions (I) and (II) follow



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 7 1 5 9 2 7 6 5 8 2 3 2 5 9 7 8 6 4 2 8 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Three



B. Four

C. Two

D. One

Q2 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 6 3 7 1 2 3 8 6 4 2 9 7 1 3 8 5 3 2 1 9 6 4 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. None

B. Two

C. One



D. Three

Q3 Alphabet / Word Test

Each of the digits in the number 6743219 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8

B. 11

C. 9



D. 10

Q4 Alphabet / Word Test

If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 5891632, what will be the difference between the greatest and smallest digits in the number thus formed?

A. 8

B. 5

C. 7

D. 9

**Q5 Facing Center**

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

Only two people sit between B and T when counted from the left of T. E sits third to the left of W. P sits to the immediate right of W. P sits second to the left of B. S is not an immediate neighbor of E. How many people sit between D and W when counted from the right of D?

A. Two

B. Four

C. One



D. Three

Q6 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only Q is kept above I. Only R is kept between J and K. Only S is kept below J. How many boxes are kept between R and Q?

A. One

B. Four

C. Two

D. Three

**Q7 Floor/Building Arrangement**

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

S lives on floor number 5. G lives on a floor above S. Only Y lives below H. P lives on an even-numbered floor.

How many people live below A?

A. One

B. Two



C. Four

D. Three



Q8 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SHR APZ IXH QFP ?

A. YNI

B. NXY

C. NYX

D. YNX

**Q9 Letter Analogy**

QP 5 is related to TL -6 in a certain way. In the same way, HG 9 is related to KC -2. To which of the following is LK 19 related, following the same logic?

A. DG 7

B. JI 5

C. OG 8



D. FT 6

Q10 Letters Between Two Positions

The question is based on the following words.

(Left) EYE, SAT, EAR, CAT (Right)

How many letters in the English alphabetical order are there between the third letter of the third word from the right and the second letter of the first word from the left?

A. Three

B. Five

C. Six

D. Four

**Q11 Letters Between Two Positions**

The question is based on the given words.

(Left) TOFU, BOTH, FARE, SANE, ZERO (Right)

How many letters in the English alphabetical order are there between the fourth letter of the first word from the left and the first letter of the first word from the right?

A. One

B. Two

C. Three

D. Four

**Q12 Letters in a Given Word**

Each vowel in the word MAGNIFIERS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. L

B. J



C. D

D. F

Q13 Missing Number

What should come in place of '?' in the given series?
7 21 43 73 111 ?

A. 153

B. 157



C. 163

D. 151

Q14 Operation Based

57 is related to 173 following a certain logic. Following the same logic, 65 is related to 197. To which of the given options is 49 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 149



B. 175

C. 136

D. 122



Q15 Operation Based

33 is related to 136 following a certain logic. Following the same logic, 28 is related to 116. To which of the given options is 18 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 76



B. 77

C. 84

D. 74

Q16 Pattern Based

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BUNK - BKNU - KNUB
POUR - PRUO - RUOP

A. MONK - OMNK - KONM

B. DEAR - DRAE - RAED



C. VENT - VETN - ENTV

D. RING - RNIG - GNIR

Q17 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

GOT : # :: % : SFM

A. # = JRW, % = PCJ



B. # = KPS, % = PGJ

C. # = GRW, % = PGJ

D. # = JPW, % = PCJ

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ZDC

B. WAZ

C. XBA

D. EJH

**Q19 Position Pattern**

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. QS - VX

B. MO - RT

C. EG - JL

D. IK - NQ

**Q20 Position from Left/Right**

All 54 people are standing in a row facing North. Aruna is 18th from the left end while Tripti is 17th from the right end. How many people are there between Aruna and Tripti?

A. 19



B. 17

C. 18

D. 20

Q21 Rearrangement of Letters

Each letter in the word YANKING is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one which is fourth from the right in the new letter cluster thus formed?

A. 11

B. 9



C. 13

D. 12



Q22 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. There are exactly five people between P and T. W sits immediately to the left of T. There is exactly one person between W and Q. S sits somewhere to the left of U but to the right of V. Based on the given information, who is sitting third from the left end of the line?

A. P

B. S



C. Q

D. W

Q23 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A - B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to K if 'M % E # W - P @ K'?

A. Husband

B. Son

C. Brother



D. Father

Q24 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Cori related to Marsha if 'Cori @ Ashley \$ Shana % Jess # Marsha'?

A. Mother's sister

B. Father's sister

C. Father's mother

D. Mother's mother

**Q25 Symbol Included Pattern**

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 1 T 5 # 6 % G F 4 & J @ S R 7 ! N * Q H \$ (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

A. None



B. Two

C. Three

D. One

Q26 Symbol Substitution

If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

80 D 10 C 3 A 12 B 7 = ?

A. 30

B. 27

C. 29



D. 28

Q27 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Amu, Bari, Cona, Dinu and Ess are sitting around a circular table, facing the centre. Who sits to the immediate right of Cona?

(I) Amu sits second to the right of Bari. Cona sits second to the left of Bari.

(II) Dinu sits second to the right of Ess. Amu sits to the immediate right of Dinu.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



B. Data in statement II alone is sufficient to answer the question while data in statement I is not.

C. Data in statements I and II together are NOT sufficient to answer the question.

D. Data in statement I alone is sufficient to answer the question while data in statement II is not.



Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) H is shorter than V but taller than Y.

(II) D is taller than N.

- A.** Both statements I and II together are NOT sufficient to answer the question 
- B.** Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C.** Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D.** Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N each having a different height, which stick is the tallest?

(I) Y is shorter than N.

(II) D is taller than N.

- A.** Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- B.** Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C.** Both statements I and II together are NOT sufficient to answer the question 
- D.** Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q30 Word to Code Mapping

In a certain code language, 'learn from mistakes' is coded as 'wg ht kc' and 'mistakes shape us' is coded as 'aq sn ht'. How is 'mistakes' coded in the given language? (All codes are two-letter codes.)

- A.** aq
- B.** wg
- C.** kc
- D.** ht 



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the following series and answer the question (all numbers are single digit numbers only). (Counting to be done from left to right only.)

(Left) 2 4 5 2 5 1 6 5 3 5 2 3 2 9 4 9 4 6 8 5 5 8 5 6 3 5 8
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3

B. 4

C. 6

D. 5

Q2 Alphabet / Word Test

Each of the digits in the number 8539264 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. Three

C. None

D. Two

Q3 Basic Direction

Town X is to the west of Town Y. Town L is to the north of Town X. Town M is to the south of Town X. Town L is to the north-west of Town Y. Town A is to the east of Town Y. What is the position of Town L with respect to Town A?

A. North-east

B. North-west

C. East

D. South

Q4 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

B sits second to the left of D. C is an immediate neighbour of F. B sits to the immediate right of F. A sits second to the left of E.

What is the position of A with respect to F?

A. Immediate right

B. Third to the left

C. Second to the right

D. Second to the left

Q5 Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

Only two people sit between E and B when counted from the right of E. Only two people sit between B and S. Only three people sit between E and W. D sits to the immediate left of T.

How many people sit between E and P when counted from the left of P?

A. Four

B. Three

C. One

D. Two

Q6 Floor/Building Arrangement

Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept below I. H is kept at some place below B. Only one box is kept above D. Only one box is kept between D and C. G is kept immediately above E.

How many boxes are kept between B and G?

A. Four

B. One

C. Three

D. Two



Q7 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and C. T lives on a floor below C. S lives on an even numbered floor. B lives on an odd numbered floor but not on floor number 5. How many people live between D and C?

A. Two



B. Three

C. Zero

D. One

Q8 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only two people live between D and B. Only A lives above T. S lives on an even numbered floor. D lives on the lowermost floor. How many people live between C and A?

A. Two



B. None

C. One

D. Three

Q9 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

END ISH MXL QCP ?

A. VGU

B. THU

C. UHT



D. TIS

Q10 Letter to Number Mapping

In a certain code language, 'SKIN' is coded as '2381' and 'DISK' is coded as '9823'. What is the code for 'D' in the given code language?

A. 3

B. 1

C. 9



D. 2

Q11 Letters Between Two Positions

The question is based on the given words.

(Left) EAR, KID, TOM, PAT (Right)

How many letters in the English alphabetical order are there between the third letter of the second word from the left and the third letter of the second word from the right?

A. Seven

B. Eight



C. Nine

D. Six

Q12 Letters Between Two Positions

The following question is based on the given words.

(left) TRY MAT CAN JUG (right)

How many letters in the English alphabetical order are there between the second letter of the first word from the right and the third letter of the first word from the left?

A. Two

B. Five

C. Four

D. Three

**Q13 Letters in a Given Word**

Each vowel in the word CONVERT is changed to the letter immediately preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

A. P

B. D

C. O



D. M

Q14 Missing Number

What should come in place of '?' in the given series?

1 2 6 24 120 ?

A. 700

B. 720



C. 600

D. 800



Q15 Operation Based

14 is related to 52 following a certain logic. Following the same logic, 18 is related to 68. To which of the given options is 13 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 48



B. 52

C. 50

D. 46

Q16 Operation Based

29 is related to 206 following a certain logic. Following the same logic, 35 is related to 248. To which of the following is 44 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 311



B. 366

C. 354

D. 388

Q17 Pattern Based

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

VYU-XAW
RUQ-TWS

A. XAW-ZCY



B. XZU-ZCY

C. XAW-YCX

D. XZU-YBX

Q18 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: LPY :: DWF : %

A. # = KQZ, % = CXE

B. # = MQZ, % = EVG

C. # = MQX, % = CWE

D. # = KQX, % = EVG

**Q19 Pattern Based**

HKCN is related to XASD in a certain way based on the English alphabetical order. In the same way, TWOZ is related to JMEP. To which of the following options is PSKV related, following the same logic?

A. FIAL



B. FAIL

C. FEIO

D. FLIO

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. RW - UZ

B. OT - RW

C. QV - TY

D. YN - LL

**Q21 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. BEG

B. RUW

C. KNP

D. HLN



Q22 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word BLUEPRINTS is arranged in the alphabetical order?

A. One

B. Two ☒

C. Three

D. Four

Q23 Shortest Distance

Mr. Tosi starts from Point A and drives 18 km towards the East. He then takes a right turn, drives 13 km, turns right and drives 27 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 10 km to the South ☒

B. 11 km to the East

C. 5 km to the North

D. 9 km to the West

Q24 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A - B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to P if 'M # E @ W % P - K'?

A. Brother ☒

B. Wife's brother

C. Father

D. Wife's father

Q25 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B',
A # B means 'A is the brother of B',
A \$ B means 'A is the wife of B',
A % B means 'A is the father of B'.

How is Shreya related to Kavita if 'Shreya # Fahaan @ Palak \$ Bhanu % Kavita'?

A. Mother's mother's father

B. Mother's mother's brother ☒

C. Father's mother's brother

D. Father's mother's father

Q26 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows.

(Left) @ M + R % C @ L ? < K @ J & G % Q J = O € I @ M K & N (Right)

If all the letters are dropped from the series, then which of the following will be sixth from the right?

A. & ☒

B. @

C. #

D. ?

Q27 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the left?

A. R

B. @

C. & ☒

D. T

Q28 Symbol Substitution

If 'T' stands for '+' and 'U' stands for '÷', what will come in place of the question mark (?) in the following equation?

30 T 20 U 5 = ?

A. 34 ☒

B. 35

C. 33

D. 32

Q29 Symbol Substitution

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

124 D 48 C 56 A 4 B 3 = ?

A. 111

B. 104

C. 117

D. 118 ☒

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All apples are mangoes.

All apples are pens.

Conclusions:

(I) Some mangoes are pens.

(II) All pens are apples.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (II) follows.

C. Only conclusion (I) follows.



D. Neither conclusion (I) nor (II) follows.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 7 8 7 8 5 6 9 4 8 7 5 9 8 4 7 3 4 9 1 9 3 2 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. One
- B. Two
- C. Three**
- D. None

Q2 Alphabet / Word Test

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) D D O J J D A U B E K E H M Y V U A V I I H (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. 3**
- B. 5
- C. 2
- D. 4

Q3 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CZX WTR QNL KHF ?

- A. EXR
- B. ERT
- C. EBZ**
- D. EBY

Q4 Floor/Building Arrangement

Nine boxes, M, N, O, P, Q, R, S, T and U, are kept one over the other, but not necessarily in the same order. P is kept at the fifth position from the top. Only three boxes are kept between P and N. N is not kept at the bottom. Only two boxes are kept between Q and N. Only S is kept between M and R. O is kept immediately below R. T is not kept immediately below N.

How many boxes are kept exactly between U and S?

- A. Four**
- B. Three
- C. One
- D. Two

Q5 Floor/Building Arrangement

A, B, C, D, S and T live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. Only B lives above C. S lives immediately below C. Only A lives below T. Who lives on floor number 3?

- A. D**
- B. A
- C. S
- D. T

Q6 Letters in a Given Word

This question is based on the given words.

COW KEY FAN BAR

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

- A. Four
- B. Three**
- C. None
- D. Two



Q7 Letters in a Given Word

This question is based on the following words.

JAR ORA VET AND

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. One

C. Four

D. Two

**Q8 Letters in a Given Word**

Each vowel in the word DECOLORISES is changed to the second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

A. One

B. Four

C. Three



D. Two

Q9 Missing Number

What should come in place of the question mark (?) in the given series?

142 199 167 224 192 249 ?

A. 217



B. 201

C. 209

D. 225

Q10 Multiple Turns

Mr. Tosi starts from Point A and drives 21 km towards the North. He then takes a left turn, drives 32 km, turns left and drives 25 km. He then takes a left turn and drives 40 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the West



B. 5 km to the East

C. 6 km to the West

D. 9 km to the East

Q11 Operation Based

9 is related to 22 following a certain logic. Following the same logic, 11 is related to 28. To which of the following is 7 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying, etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 16



B. 26

C. 20

D. 18

Q12 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number. Which of the given options follows the same set of operations as in the question?

(NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

38 - 114 - 228 ;

76 - 228 - 456

A. 66 - 198 - 369

B. 54 - 166 - 324

C. 49 - 157 - 299

D. 89 - 267 - 534

**Q13 Operator Swap**

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$620 \times 4 + 6 \div 8 - 6 = ?$

A. 82

B. 113



C. 72

D. 132



Q14 Pattern Based

UO 7 is related to WR -2 in a certain way. In the same way, EK 12 is related to GN 3. To which of the following is VW 2 related, following the same logic?

A. XW -6

B. XZ -7 ✓

C. GT -8

D. VX -5

Q15 Pattern Based

DMVY is related to TCLO in a certain way based on the English alphabetical order. In the same way, PYHK is related to FOXA. To which of the following options is LUDG related, following the same logic?

A. BKIO

B. BKTW ✓

C. BTRE

D. BWET

Q16 Pattern Based

Select the pair that follows the same pattern as the one followed by the two pairs given below. Both pairs follow the same pattern.

XVT-WUS

VTR-USQ

A. JGD-IGE

B. JGD-HFD

C. JHF-HGD

D. JHF-IGE ✓

Q17 Position Pattern

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

A. KN - LO

B. UX - VZ ✓

C. GJ - HK

D. PS - QT

Q18 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. IK - MK ✓

B. PR - XZ

C. MO - UW

D. OQ - WY

Q19 Position from Left/Right

Piyush ranked 18th from the top and 62nd from the bottom in his class. How many students are there in his class?

A. 78

B. 77

C. 80

D. 79 ✓

Q20 Rearrangement of Letters

If all the letters in the word COLLEAGUE are arranged in the English alphabetical order, then which letter will be fifth from the right end in the new letter-cluster thus formed?

A. O

B. E

C. G ✓

D. L

Q21 Single Row (One-way/Both-way)

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. No one sits to the left of U. There are exactly four people between U and Q. Only three people sit to the right of W. T sits immediately to the left of V. P is not an immediate neighbour of W. Based on the given information, who is sitting at the rightmost end of the line?

A. T

B. S

C. Q

D. P ✓



Q22 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.
Only four people sit between Q and R. Only Q sits to the left of I. Only P sits between J and Z and J is not an immediate neighbor of R.
Who sits at the extreme right of the row?

A. R

B. K

C. J

D. Q

Q23 Symbol Based

In a certain code language,
A @ B means 'A is the mother of B'
A # B means 'A is the brother of B'
A \$ B means 'A is the wife of B'
A % B means 'A is the father of B'.

How is Charu related to Atul if 'Charu # Gopal @ Rahul % Vinay \$ Atul'?

A. Wife's father's mother's brother

B. Wife's mother's mother's brother

C. Wife's mother's mother's father

D. Wife's father's mother's father

Q24 Symbol Based

In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y @ R # B - G'?

A. Wife's father's brother's daughter

B. Wife's father's brother's wife

C. Father's brother's daughter

D. Father's brother's wife

Q25 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 2 M & 8 L \$ 4 K % 7 G # H 7 @ 3 N ! O C * (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

A. Three

B. None

C. Two

D. One

Q26 Symbol Substitution

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

12 A 4 B 5 C 7 D 8 = ?

A. 14

B. 11

C. 12

D. 13

Q27 Symbol Substitution

If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷', and 'L' stands for '-' what will come in place of the question mark '?' in the following equation?

9 J 5 I 40 K 8 L 10 = ?

A. 54

B. 31

C. 40

D. 25



Q28 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – P, Q, R, S, and T – who is the oldest?

(I) P is older than Q. Q is older than R. R is older than S. S is older than T.

(II) Q is older than R.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together are NOT sufficient to answer the question.
- C. Data in statement I alone is sufficient to answer the question while data in statement II is not. 
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: P, Q, R, S, and T are of different ages. Who is the oldest?

Statements:

(I) R is older than S and T, but younger than Q.

(II) Q is younger than P. P is older than R.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question 
- D. Both statements I and II together are NOT sufficient to answer the question

Q30 Word to Code Mapping

In a certain code language, 'this chair is strong' is coded as 'ra mn kb lt' and 'smoking is bad habit' is coded as 'mn tg lo cx'. How is 'is' coded in that language? (All the codes are two-letter codes only.)

- A. mn 
- B. tg
- C. ra
- D. cx



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabet / Word Test

Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) F A O S F Z K U K X A A W X Y Q E Z T A L E (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 4



B. 6

C. 3

D. 5

Q2 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?

AKU FRV KYW PFX ?

A. UMY



B. VMY

C. VNY

D. UNY

Q3 Day of Week Assignment

Each of Janki, Manvi, Swati, Priti, Rishi, Pinki and Tanvi has exam on a different day of a week starting from Monday and ending on Sunday of the same week.

Exactly two people have exam between Janki and Priti.

Only two people have exam between Rishi and Tanvi.

Exactly three people have exam between Swati and Pinki.

Swati has exam before Pinki.

Janki has exam on one of the days before Tanvi.

Only two people have exam after Priti.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Rishi and Swati

B. Swati and Manvi



C. Priti and Pinki

D. Janki and Tanvi

Q4 Day of Week Assignment

Each of A, B, C, D, M, N and O has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. C has an exam on Thursday. M has an exam on one of the days after B and on one of the days before A. N has an exam on one of the days after O but on one of the days before D. O has an exam on one of the days after C. How many people have exams between N and M?

A. One

B. Two

C. Four

D. Three

**Q5 Facing Center**

A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only two people sit between B and C, when counted from the right of B. G sits third to the right of C. E sits third to the left of B. F sits to the immediate right of D. Who sits second to the right of A?

A. D

B. F

C. G

D. B

**Q6 Floor/Building Arrangement**

A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. E lives on floor numbered 5. A lives on a floor above E. Only L lives below K. C lives on an even-numbered floor. How many people live between G and A?

A. One

B. Four

C. Three

D. Two

**Q7 Letter to Number Mapping**

In a certain code language, 'GAME' is coded as '3579' and 'MIND' is coded as '2438'. What is the code for 'M' in the given code language?

A. 3



B. 4

C. 2

D. 7



Q8 Letter to Number Mapping

In a certain code language, 'TRAY' is coded as '8943' and 'RAYS' is coded as '3284'. What is the code for 'S' in the given code language?

- A. 4
- B. 9
- C. 3
- D. 2

**Q9 Letters in a Given Word**

This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

- A. Two
- B. None
- C. Three
- D. One

**Q10 Letters in a Given Word**

Each vowel in the word SPEWING is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. Two
- B. Three
- C. None
- D. One

**Q11 Missing Number**

What should come in place of ? in the given series?
341 422 512 611 719 ?

- A. 785
- B. 886
- C. 836
- D. 877

**Q12 Operation Based**

103 is related to 10 following a certain logic. Following the same logic, 199 is related to 14. To which of the following is 147 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 14
- B. 13
- C. 12
- D. 15

**Q13 Operation Based**

12 is related to 94 following a certain logic. Following the same logic, 17 is related to 134. To which of the given options is 22 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 182
- B. 179
- C. 174
- D. 186

**Q14 Operation Based Coding**

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 513674, how many digits will appear more than once in the new number thus formed?

- A. Two
- B. One
- C. Three
- D. Four



Q15 Operator Swap

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$189 \times 9 \div 13 - 6 + 45 = ?$$

A. 50

B. 52

C. 54



D. 56

Q16 Pattern Based

MPRT is related to NQSU in a certain way based on the English alphabetical order. In the same way, HJLN is related to IKMO. To which of the following is DFHJ related, following the same logic?

A. FHJW

B. EGIK



C. FGIL

D. EHJV

Q17 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: FXG :: NTE : %

A. # = DWH , % = OUF

B. # = EWJ , % = QVH

C. # = EXI , % = QVG

D. # = DWH , % = PUD

**Q18 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: EGI :: PRS : %

A. # = ACD , % = TVX



B. # = KML , % = JLS

C. # = WMO , % = JLP

D. # = KMO , % = JLN

Q19 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. VZD

B. YCZ



C. QUY

D. RVZ

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

A. CFI



B. UWY

C. EGI

D. MOQ

Q21 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word STAMPED is arranged in the English alphabetical order?

A. None

B. Two



C. Three

D. One

Q22 Single Row (One-way/Both-way)

Seven friends, G, H, I, J, K, L and M, are sitting in a straight line, facing the north. G sits second to the left of M. J sits second to the right of I. Only one person sits to the right of M. L sits third to the left of H. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. I and K



B. I and L

C. J and G

D. H and M



Q23 Sorting Logic

Each of the digits in the number 6891245 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 7

C. 9

D. 8

Q24 Sorting Logic

This question is based on the five, three-digit numbers given below.

(Left) 654 842 684 714 385 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

A. Four

B. Three

C. One

D. Two

**Q25 Symbol Based**

In a certain code language,

A # B means 'A is the son of B',

A % B means 'A is the brother of B',

A – B means 'A is the wife of B' and

A @ B means 'A is the father of B'.

How is M related to K if 'M @ E – W % P # K'?

A. Wife's brother

B. Son's wife's father



C. Wife's father

D. Son's wife's brother

Q26 Symbol Based

In a certain code language,

A @ B means 'A is the mother of B'

A # B means 'A is the brother of B'

A \$ B means 'A is the wife of B'

A % B means 'A is the father of B'.

How is Vansh related to Kanav if 'Vansh @ Ram # Chetan % Divya \$ Kanav'?

A. Wife's mother's sister

B. Wife's father's mother



C. Wife's mother's mother

D. Wife's father's sister

Q27 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) @ D 3 & R 7 T % H 2 \$ 6 K ! 5 J * 8 M 4 # (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

A. Three

B. None

C. One

D. Two

**Q28 Symbol Included Pattern**

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) P A % U I 7 P # € A C 5 I M € A 1 9 % \$ 8 9 (Right)

If all the numbers are dropped from the series, which of the following will be fifth from the left?

A. I



B. #

C. P

D. U

Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ama, Bira, Curt, Dami and Ela are sitting around a circular table, facing the centre. Who sits to the immediate left of Ama?

(I) Ama sits second to the left of Dami. Bira is the immediate neighbour of Curt and Dami.

(II) Ama is the immediate neighbour of Curt and Ela. Bira sits to the immediate right of Dami.

A. Data in statement I alone is sufficient to answer the question while data in statement II is not.



B. Data in statements I and II together are NOT sufficient to answer the question.

C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some laptops are cards.
No card is a table.

Conclusions:

(I) No laptop is a table.
(II) Some tables are cards.

A. Only conclusion (I) follows.

B. Neither conclusion (I) nor (II) follows.



C. Only conclusion (II) follows.

D. Both conclusions (I) and (II) follow.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

HOD KSG NWJ QAM ?

A. SDO

B. SFP

C. UEQ

D. TEP

**Q2 Facing Center**

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

S sits to the immediate right of E. Only three people sit between S and D when counted from the left of S. Only three people sit between E and B. W sits to the immediate right of T.

How many people sit between E and T when counted from the right of T?

A. Four

B. Three

C. One



D. Two

Q3 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

F sits second to the left of D. B is an immediate neighbour of C. C sits to the immediate right of E. A sits second to the left of E.

What is the position of F with respect to B?

A. Second to the right

B. Immediate right



C. Third to the left

D. Second to the left

Q4 Floor/Building Arrangement

A, C, E, G, K and L live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is number 2 and so on till the topmost floor is numbered 6. A lives on the topmost floor. Only three people live between A and L. G lives on a floor below L. E lives on an even numbered floor. K lives on an odd-numbered floor but not on floor number 5. How many people live between C and L?

A. Four

B. Three

C. Two



D. One

Q5 Letter to Number Mapping

In a certain code language, 'CHIP' is coded as '6318' and 'PICK' is coded as '8162'. What is the code for 'H' in the given code language?

A. 2

B. 3



C. 6

D. 1

Q6 Letters Between Two Positions

Refer to the given letter series and answer the question that follows.

(Left)

B H J M N N A R A Y A N S H A M B H U G A Y
I T R I M N T R (Right)

How many letters are there in the English alphabetical order between the letters that are tenth from the right end and third from the left end of the series?

A. Two

B. None

C. Eight



D. Fourteen



Q7 Letters Between Two Positions

This question is based on the following words.

(left) MILE HAED LEAP PEEK (right)

How many letters in the English alphabetical order are there between the third letter of the first word from the left and the fourth letter of the second word from the right?

A. Four

B. Two

C. Three



D. Five

Q8 Letters Between Two Positions

Refer to the given letter series and answer the question that follows.

(Left) K A M A L K I S H O R E K A P I L P O O M
N A K A M I I N (Right)

How many letters are there in the English alphabetical order between the letters that are seventh from the right end and fifth from the left end of the series?

A. Eight

B. Eleven

C. Ten



D. Nine

Q9 Letters in a Given Word

This question is based on the following words:
CRY FIN BUG ASK

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

A. Three

B. One

C. Four

D. Two

**Q10 Letters in a Given Word**

Each vowel in the word NAMEBOARDS is changed to the second letter following it in the English alphabetical order and each consonant is changed to the second letter preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. Z

B. P

C. Q



D. B

Q11 Linear Family Relations

H is the mother of U. U is the sister of N. M is the father of K. K is the husband of N. How is K related to H?

A. Daughter's husband



B. Father

C. Daughter's son

D. Brother

Q12 Missing Number

What should come in place of the question mark (?) in the given series?

97, 80, 65, 52, 41, ?

A. 29

B. 36

C. 28

D. 32

**Q13 Operation Based**

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

$4 - 10 - 21 - 35$;

$5 - 13 - 27 - 41$

A. $10 - 28 - 56 - 70$

B. $6 - 16 - 33 - 49$

C. $7 - 19 - 39 - 25$

D. $8 - 22 - 45 - 59$



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Q14 Operator Swap

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$199 \div 47 - 4 + 63 \times 9 = ?$$

A. 386

B. 382

C. 389

D. 380

**Q15 Operator Swap**

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$(14 \div 2) + (27 \times 3) - 15 - 6 + 2 = ?$$

A. 58

B. 38

C. 46

D. 31

**Q16 Operator Swap**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$38 \times 46 \div 46 + 14 - 19 = ?$$

A. 45

B. 41

C. 43

D. 44

**Q17 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: III :: MNO : %

A. #=FGH, %=PPS

B. #=FGH, %=PPR

C. #=FGH, %=PPP

D. #=FGH, %=PPQ

**Q18 Pattern Based**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DKO : FFK

BNR : DIN

A. OSX : QNS

B. KHL : MBH

C. CRW : CMR

D. MHL : OCH

**Q19 Pattern Based**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

GK-DI-BE

KO-HM-FI

A. OS-LQ-JN

B. OS-LQ-JM

C. PS-LQ-JN

D. PS-LR-JN

**Q20 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. KMP

B. HJL

C. QSU

D. ACE

**Q21 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. QL - VW

B. XS - CD

C. MH - RS

D. KE - PQ



Q22 Position from Left/Right

There are 45 students in a row facing north. Kiran is 18th from the left and Simran is 20th from the right. How many students are standing between Kiran and Simran?

A. 7



B. 8

C. 5

D. 6

Q23 Position from Left/Right

Mr. Nit ranked 58th from the bottom and 37th from the top in his class. How many students are there in his class?

A. 91

B. 93

C. 95

D. 94

**Q24 Rearrangement of Letters**

Each letter in the word FRIEND is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?

A. H

B. E



C. Q

D. M

Q25 Square/Cube Based

8 is related to 256 following a certain logic. Following the same logic, 10 is related to 400. To which of the given options is 12 related, following the same logic?

A. 484

B. 576



C. 676

D. 529

Q26 Symbol Based

In a certain code language,
A + B means 'A is the son of B'
A ÷ B means 'A is the father of B'
A = B means 'A is the sister of B'
A ! B means 'A is the wife of B'

Based on the above, how is D related to R if 'D = O ! W + E ÷ R'?

A. Brother's wife's mother

B. Brother's wife's brother

C. Brother's wife's father

D. Brother's wife's sister

**Q27 Symbol Included Pattern**

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 5 \$ 7 £ £ 4 9 © \$ © & 8 & \$ 3 1 7 © 4 7 \$ @ (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

A. 4

B. 2

C. 5

D. 3

**Q28 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among five trees, N, O, R, S and T each having a different height, which tree is the tallest?

(I) S is shorter than R

(II) N is taller than R

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together are NOT sufficient to answer the question



D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All kiwis are bananas.
All bananas are apples.

Conclusions:

(I) All kiwis are apples.
(II) Some apples are bananas.

A. Only conclusion (II) follows.

B. Only conclusion (I) follows.

C. Both conclusions (I) and (II) follow.



D. Neither conclusion (I) nor (II) follows.

Q30 Word to Code Mapping

In a certain code language, 'love in air' is coded as 'ps vj uh' and 'poor air quality' is coded as 'ct cs ps'. How is 'air' coded in the given language? (All codes are two-letter codes)

A. uh

B. ps



C. vj

D. ct



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) P R B F U P F B Z D O A X F I I E R C K V (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. None

B. Two

C. One

D. Three

Q2 Analogy

OF 10 is related to QC -1 in a certain way. In the same way, JL 17 is related to LI 6. To which of the following is KM 5 related, following the same logic?

A. VJ -5

B. HY -7

C. CF -4

D. MJ -6

Q3 Day of Week Assignment

Each of G, H, I, J, K, L and M has an exam on a different day of a week, starting from Sunday and ending on Saturday of the same week.

G has an exam on Wednesday. Only two people have exam between G and L. I has exam on the day immediately before H. Only one person has exam between I and K. J has exam before M.

On which day does M have the exam?

A. Friday

B. Saturday

C. Sunday

D. Thursday

Q4 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of the same week starting from Monday and ending on Sunday.

R has an exam on one of the days after Thursday but not on Saturday. Only two people have exams between R and Q. V has an exam immediately before Q. As many people have an exam before V as after U. P has an exam immediately before T. More than two people have exams between T and S. Who has an exam on Tuesday?

A. Q

B. T

C. P

D. V

Q5 Facing Outward

A, B, C, D, E and F are sitting around a circular table with their backs towards the centre. C is sitting second to the right of A. B is sitting second the right of C. F is sitting to the immediate left of A. D is not the immediate neighbour of A. Who is sitting to the immediate right of C?

A. B

B. E

C. F

D. D

Q6 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

TEN YIS DMX IQC ?

A. MTG

B. OVI

C. OUG

D. NUH

Q7 Letter to Number Mapping

In a certain code language, 'CREW' is coded as '3685' and 'WEAR' is coded as '5816'. What is the code for 'A' in the given code language?

A. 6

B. 1

C. 5

D. 3



Q8 Linear Family Relations

U is father of V. V is mother of W. W is brother of X. How is U related to X?

- A. Father
- B. Mother
- C. Father's Mother
- D. Mother's Father

**Q9 Missing Number**

What should come in place of '?' in the given series?

2 6 12 20 30 ?

- A. 40
- B. 44
- C. 38
- D. 42

**Q10 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as that followed in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18 - 36 - 108 - 118
24 - 48 - 144 - 154

- A. 27 - 54 - 128 - 148
- B. 26 - 52 - 62 - 124
- C. 25 - 50 - 150 - 160
- D. 28 - 38 - 76 - 86

**Q11 Operation Based**

134 is related to 403 following a certain logic. Following the same logic, 117 is related to 352. To which of the given options is 192 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 536
- B. 548
- C. 524
- D. 577

**Q12 Operator Swap**

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$29 \div 17 + 606 \times 3 - 359 = ?$$

- A. 649
- B. 638
- C. 650
- D. 660

**Q13 Operator Swap**

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?

$$70 \div 2 + 150 \times 3 - 8 = ?$$

- A. 98
- B. 118
- C. 108
- D. 78

**Q14 Operator Swap**

What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$21 \div 6 - 312 \times 6 + 49 = ?$$

- A. 139
- B. 137
- C. 133
- D. 129



Q15 Position Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NJM : SHJ

UNQ : ZLN

A. GPM : LNI

B. FIL : KFI

C. DLP : IJL

D. MSV : RQS

**Q16 Position Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: RWG :: WBL : %

A. # = LNX , % = FKU

B. # = INX , % = FKV

C. # = INX , % = HKU

D. # = INX , % = FKU

**Q17 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OQ - PV



B. LN - KM

C. HJ - GI

D. NP - MO

Q18 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. LNQ



B. NQT

C. DGJ

D. PSV

Q19 Position from Left/Right

In a queue with total 18 students standing facing north, one behind the other, there were 4 students behind Rahul. What was Rahul's position from the front of the queue?

A. 13th

B. 12th

C. 14th



D. 15th

Q20 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letter in the word TRADITIONAL is arranged in the English alphabetical order?

A. Two



B. Four

C. One

D. Three

Q21 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word SOUNDTRACK is arranged in the alphabetical order?

A. One



B. Two

C. Four

D. Three

Q22 Shifting Pattern (+1, +2, etc.)

This question is based on the given words.

PAN LIP EGG HAT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

A. Two



B. Three

C. None

D. Four



Q23 Shifting Pattern (+1, +2, etc.)

This question is based on the following words.

SYE GEM TAP KIT

In each of the words, each vowel is changed to the second letter preceding it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. Three

B. Four

C. One

D. Two

**Q24 Shortest Distance**

Anita starts from Point A and drives 6 km towards North. She then takes a right turn, drives 5 km, turns right and drives 11 km. She then takes a right turn and drives 8 km. She takes a final right turn, drives 5 km and stops at Point B. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 3 km towards North

B. 5 km towards North

C. 3 km towards East



D. 5 km towards East

Q25 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

P sits to the immediate right of I. No one sits to the right of K. Only three people sit between K and Z. Only two people sit between Z and Q. R sits third to the left of I.

How many people sit between J and Q?

A. One

B. Two

C. Three



D. Four

Q26 Symbol Based

In a certain code language,
A + B means 'A is the daughter of B',
A @ B means 'A is the brother of B',
A - B means 'A is the wife of B', and
A # B means 'A is the father of B'.

Based on the above, how is D related to G if 'D + Y @ R - B # G'?

A. Mother's brother's daughter



B. Brother's wife

C. Brother's daughter

D. Mother's brother's wife

Q27 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) G Ω M % I # D K \$ H E ω E S ± E % U \$ Z % U S # V
(Right)

How many such symbols are there, which are immediately preceded by a vowel and also immediately followed by consonant?

A. Three

B. Two



C. One

D. None

Q28 Symbol Included Pattern

Refer to the given letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) P E X N \ P X K M ? + T A T C ^ J \ + J ^ (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

A. Four

B. Three

C. Two



D. One



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Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some pliers are wrenches.
All wrenches are hammers.

Conclusions:

(I) Some hammers are pliers.

(II) No hammer is a plier.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows

**Q30 Word to Code Mapping**

In a certain code language, 'do your task fast' is coded as 'ar nm by pu' and 'task is very tough' is coded as 'gt ol cx nm'. How is 'task' coded in that language? (All the codes are two-letter codes only.)

A. gt

B. ol

C. ar

D. nm



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 9 3 6 4 8 1 2 7 4 8 2 5 6 7 1 4 6 9 3 4 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Three



B. Two

C. One

D. None

Q2 Day of Week Assignment

Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have exams between F and J. Only three people have exams between K and C. D has exam on some day before L and on some day after E. Only C has exam after J. How many people have exams after F?

A. Four

B. Three

C. One

D. Five

**Q3 Floor/Building Arrangement**

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between J and I. Only K is kept above R. Only four boxes are kept between R and I. Q is kept at some place below S but at some place above T. Which box is kept second above T?

A. I

B. S

C. J



D. Q

Q4 Group Pattern

What should come in place of the '?' in the given series based on the English alphabetical order?

HKMN, DNKO, ?, VTGQ, RWER

A. ZQPI

B. ZIQP

C. ZPIQ

D. ZQIP

**Q5 Letter to Number Mapping**

In a certain code language, 'SOLD' is coded as '5368' and 'LOUD' is coded as '6318'. What is the code for 'U' in the given code language?

A. 5

B. 6

C. 3

D. 1

**Q6 Letter to Number Mapping**

In a certain code language, 'WIRE' is coded as '2954' and 'DREW' is coded as '4932'. What is the code for 'D' in the given code language?

A. 4

B. 3



C. 9

D. 2

Q7 Linear Family Relations

V is wife of W. W is father of X. X is brother of Y. How is V related to Y?

A. Mother



B. Sister

C. Mother's Mother

D. Father



Q8 Missing Number

What should come in place of ? in the given series?
541 505 460 406 ? 271

- A. 352
- B. 333
- C. 354
- D. 343

**Q9 Operation Based**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 200, 10)
(12, 288, 12)

- A. (8, 64, 8)
- B. (9, 180, 11)
- C. (9, 162, 10)
- D. (11, 242, 11)

**Q10 Operation Based**

23 is related to 368 following a certain logic. Following the same logic, 47 is related to 752. To which of the given options is 33 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 528
- B. 568
- C. 534
- D. 551

**Q11 Operator Swap**

What should come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$17 - 34 \div 5 + 120 \times 12 = ?$$

- A. 171
- B. 177
- C. 180
- D. 173

**Q12 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: GPW :: WJC : %

- A. # = HQX, % = XLF
- B. # = FNT, % = XLF
- C. # = FQT, % = YMF
- D. # = HQX, % = YMG

**Q13 Pattern Based**

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

GDP : DAM
DOQ : ALN

- A. EHL : CFI
- B. MPN : JMK
- C. XHG : VFC
- D. SEL : OAI

**Q14 Position Based**

ROBM is related to GDQB in a certain way based on the English alphabetical order. In the same way, ZWJU is related to OLYJ. To which of the following options is SPCN related, following the same logic?

- A. HEAR
- B. HRED
- C. HERC
- D. HCDE



Q15 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. BXU
- B. IEB
- C. PLI
- D. TQM

**Q16 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. GJL
- B. JMO
- C. SUW
- D. DGI

**Q17 Position from Left/Right**

Soumya ranked 21st from the bottom and 16th from the top in his class. How many students are there in his class?

- A. 34
- B. 37
- C. 36
- D. 35

**Q18 Rearrangement of Letters**

The position(s) of how many letters will remain unchanged, if each of the letters in the word RESPONSIBLE is arranged in the reverse English alphabetical order?

- A. One
- B. Two
- C. Three
- D. Four

**Q19 Rearrangement of Letters**

The position of how many letters will remain unchanged if the letters in the word 'BOWL' are arranged as per the English alphabetical order?

- A. Four
- B. Zero
- C. Two
- D. One

**Q20 Rearrangement of Letters**

The position(s) of how many letters will remain unchanged if each letter in the word FORMALIZED is arranged in the alphabetical order?

- A. Four
- B. Two
- C. Three
- D. One

**Q21 Shifting Pattern (+1, +2, etc.)**

This question is based on the following words.

JUG GAB POT PEA

In each of the words, each vowel is changed to the second letter following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

- A. One
- B. Three
- C. Two
- D. Zero

**Q22 Single Row (One-way/Both-way)**

Seven people, P, Q, S, T, U, V, and W, are sitting in a row, all facing the north. Only two people sit to the left of V. There are exactly three people between V and U. T sits second to the right of V. There are exactly two people between T and Q. P sits somewhere to the right of W but to the left of S. Based on the given information, how many people are sitting to the right of P?

- A. Two
- B. Four
- C. Three
- D. One



Q23 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.
Only K sits to the right of R. Only one person sits between P and R. Only two people sit between I and P. J sits at some place to the right of Q but at some place to the left of Z. Who sits third from the right end of the row?

A. R

B. Z



C. P

D. Q

Q24 Symbol Based

In a certain code language,
A + B means 'A is the mother of B',
A - B means 'A is the brother of B',
A × B means 'A is the wife of B',
A % B means 'A is the father of B',
and A # B means 'A is the daughter of B'.

How is G related to N if 'G + P - Q % K # S + N'?

A. Brother's wife

B. Father's mother



C. Mother

D. Sister's daughter

Q25 Symbol Included Pattern

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 4 3 1 2 \$ 9 & 2 ? 4 @ 1 9 * 3 7 3 @ & < % (Right)

How many such symbols are there, each of which is immediately preceded by a symbol and also immediately followed by a number?

A. One

B. None



C. Three

D. Two

Q26 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) N % Q E A L & M @ B & F > £ N H * \$ < L % P (Right)
How many such symbols are there, each of which are immediately preceded by a letter and immediately followed by a symbol?

A. Three

B. None

C. Two



D. One

Q27 Symbol Substitution

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

165 A 5 D 17 C 13 B 6 = ?

A. 94



B. 90

C. 95

D. 98

Q28 Symbol Substitution

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

20 A 2 B 5 C 4 D 6 = ?

A. 46

B. 47

C. 45

D. 48



Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: 5 buildings, A, K, T, W and Z, each have different heights. Which building is the shortest?

(I) K is taller than W. W is taller than T.

(II) Only T is shorter than A. Z is taller than A.

A. Data in both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

B. Data in both statements I and II together are NOT sufficient to answer the question

C. Data in statement I alone is sufficient to answer the question while data in statement II is not

D. Data in statement II alone is sufficient to answer the question while data in statement I is not

**Q30 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All nets are bedsheets. All nets are pillows.

Conclusions (I) : Some bedsheets are pillows.

Conclusions (II) : All pillows are nets.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (II) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (I) follows.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alpha-Numeric Series

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Q G M A R T U N Z E D O H S V (Right)

How many such consonants are there, each of which is immediately preceded by a vowel?

- A. Two
- B. Four
- C. None
- D. One

**Q2 Alpha-Numeric Series**

Refer to the following series of digits and answer the question

(Left) 1 4 2 9 6 3 5 8 2 7 5 1 4 6 8 3 7 2 5 9 4 6 1 7 3 2 8 (Right)

How many such even digits are there each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square) (Counting to be done from left to right only)

- A. More than three
- B. Three
- C. One
- D. Two

**Q3 Analogy**

UF 21 is related to VC 14 in a certain way. In the same way, VN 18 is related to WK 11. To which of the following is LJ 16 related, following the same logic?

- A. LF 9
- B. MF 11
- C. LG 11
- D. MG 9

**Q4 Analogy**

UK 12 is related to YO 16 in a certain way. In the same way, LS 22 is related to PW 26. To which of the following is MC 32 related, following the same logic?

- A. VL 16
- B. OD 26
- C. PF 36
- D. QG 36

**Q5 Facing Center**

A, B, C, D, E, F, and G are sitting around a circular table, facing the centre of the table. Only three people sit between E and G, when counted from the left of E. A sits to the immediate left of E. D sits to the immediate right of G. C sits to the immediate left of B. Who sits third to the left of F?

- A. E
- B. G
- C. B
- D. C

**Q6 Facing Center**

Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. T sits fourth to the right of C. Only two people sit between U and D, when counted from the left of U. B sits third to the left of V. W is an immediate neighbor of V and D. How many people sit between T and W, when counted from the left of W?

- A. Three
- B. Two
- C. One
- D. Four

**Q7 Floor/Building Arrangement**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between D and G. Only C is kept above F. No box is kept below G. B is kept at some place below E but at some place above A. How many boxes are kept above B?

- A. 4
- B. 3
- C. 5
- D. 2

**Q8 Group Pattern**

What should come in place of the question mark (?) in the given series based on the English alphabetical order? OEU QHT SKS UNR ?

- A. RES
- B. ZXE
- C. WQQ
- D. QEW



Q9 Letters Between Two Positions

This question is based on the given words.

GUT FUN PAN OWL

How many letters are there in the English alphabetical order between the second letter of the first word from the right and the second letter of the first word from the left?

A. 2

B. 1



C. 0

D. 4

Q10 Missing Number

What should come in place of ? in the given series?
415 454 506 571 649 ?

A. 786

B. 765

C. 740



D. 743

Q11 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operations on the second number result in the third number, and so on. Which of the given options follows the same set of operations as in question?
(NOTE – A two/three-digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

120 - 240 - 480;
180 - 360 - 720

A. 220 - 440 - 640

B. 175 - 350 - 600

C. 240 - 480 - 840

D. 125 - 250 - 500

**Q12 Operation Based**

72 is related to 430 following a certain logic. Following the same logic, 55 is related to 328. To which of the given options is 63 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 363

B. 376



C. 328

D. 349

Q13 Operation Based Coding

If 1 is subtracted from each odd digit and 1 is added to each even digit in the number 334687935925, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 3

B. 4

C. 5



D. 6

Q14 Pattern Based

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
JOIN - OJNI - JINO
VERB - EVBR - VRBE

A. FLAG - LFAG - AFLG

B. ZONE - NEZO - OZNE

C. GOLD - DGOL - DLOG

D. CITY - ICYT - CTYI

**Q15 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. YD - RJ

B. ZF - SK



C. LQ - EW

D. OT - HZ



Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

A. HJL

B. RTW



C. NPR

D. BDF

Q17 Position from Left/Right

Manoj ranked 34th from the top and 15th from the bottom in his class. How many students are there in his class?

A. 48



B. 47

C. 49

D. 46

Q18 Position from Left/Right

In a row of 131 students facing north, Mr. Lkj is 79th from the left end. If Mr. lhg is 9th to the right of Mr. Lkj, what is Mr. lhg's position from the right end of the line?

A. 44th



B. 45th

C. 42nd

D. 43rd

Q19 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word EDUCATIONAL is arranged in the English alphabetical order?

A. One

B. Three

C. Two

D. Zero

**Q20 Rearrangement of Letters**

In the word "CONTACT", replace each letter with the previous letter in the English alphabetical order. Arrange the resulting letters alphabetically. Which letter will be at the third position from the left in the new arrangement?

A. S

B. M



C. N

D. Z

Q21 Shifting Pattern (+1, +2, etc.)

This question is based on the following words: ROW, FIN, SAD, MUD.

In each word, every vowel is replaced by the next letter in the English alphabetical order, and every consonant is replaced by the preceding letter.

How many of the resulting letter clusters contain no vowels?

A. Four

B. One

C. Three



D. Two

Q22 Shortest Distance

Mr. Tosi starts from Point A and drives 17 km towards the East. He then takes a left turn, drives 19 km, turns left and drives 27 km. He then takes a left turn and drives 20 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 3 km to the South

B. 7 km to the North

C. 5 km to the West

D. 1 km to the North

**Q23 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S - A + E % R @ N'?

A. Wife's father

B. Wife's brother



C. Father

D. Brother



Q24 Symbol Based

In a certain code language,
 A ! B means 'A is the wife of B'
 A + B means 'A is the son of B'
 A ÷ B means 'A is the father of B'
 A = B means 'A is the sister of B'

Based on the above, how is R related to T if 'R = I + G ÷ H ! T'?

- A. Wife's father
- B. Wife's mother
- C. Wife's sister
- D. Wife's brother

**Q25 Symbol Included Pattern**

Refer to the given letter and symbol series and answer the question that follows.

(Left) G K } A ? L > & E \$ E ¥ I ÷ ! ! J @ U + ¥ E % S = T %
 (Right)

If all the vowels are dropped from the series, then which of the following will be fifth from the left?

- A. J
- B. ?
- C. @
- D. L

**Q26 Symbol Substitution**

If 'M' stands for 'x' and 'N' stands for '-', what will come in place of the question mark (?) in the following equation?

$$12 \text{ M } 5 \text{ N } 8 = ?$$

- A. 54
- B. 52
- C. 56
- D. 50

**Q27 Symbol Substitution**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$14 \text{ C } 30 \text{ A } 3 \text{ D } 3 \text{ B } 5 = ?$$

- A. 9
- B. 6
- C. 8
- D. 7

**Q28 Two Statement Sufficiency**

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

(I) O is shorter than S and T is shorter than O. S is taller than only two trees.

(II) N is taller than R.

Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Data in Statement I alone is sufficient to answer the question while data in statement II is not



D. Both statements I and II together are NOT sufficient to answer the question

Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bins are cans. All plastics are cans.

Conclusions:

(I) Some bins are plastics.

(II) Some cans are plastics.

A. Neither conclusion (I) nor (II) follows.

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.



D. Both conclusions (I) and (II) follow.

Q30 Word to Code Mapping

In a certain code language, 'leave the room' is coded as 'lw rt bu' and 'please leave now' is coded as 'bu px cp'. How is 'leave' coded in the given language? (All codes are two-letter codes)

- A. lw
- B. bu
- C. px
- D. rt



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of A, B, C, D, E, F, and G has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. B has an exam on Wednesday. Only one person has an exam between B and D. C has exam on the day immediately before D. Only two people have exams between C and F. E's exam is on one of the days before G but on one of the days after A. G does not have any exam on Sunday. Who has an exam on Monday?

A. G

B. F

C. A

D. C

Q2 Day of Week Assignment

Each of Laxmi, Mani, Ravi, Shivani, Navi, Anita and Pallavi has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only three people have exams between Ravi and Shivani. Only two people have exams between Laxmi and Mani. Pallavi has exam immediately before Laxmi. Shivani has exam before only two people. Neither Mani nor Laxmi has exam on the last day of the week. Navi does not have exam on any of the days before Anita. Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Laxmi and Shivani

B. Pallavi and Anita

C. Ravi and Laxmi

D. Anita and Ravi

Q3 Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table. S sits third to the left of D. B sits second to the left of T. D is an immediate neighbor of both E and B. W is not an immediate neighbor of S. How many people sit between P and B when counted from the right of P?

A. Three

B. One

C. Two

D. Four

Q4 Facing Center

W, X, Y, Z, M, and N are sitting around a circular table facing the center. Z sits to the immediate right of X. Only three people sit between N and W when counted from the right of W. Y sits second to the left of Z. M sits to the immediate right of N. Who sits to the immediate right of M?

A. X

B. W

C. N

D. Y

Q5 Floor/Building Arrangement

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6. Only two people live between U and Q. Only P lives above R. S lives on an even-numbered floor. U lives on the lowermost floor. How many people live between T and P?

A. Four

B. One

C. Three

D. Two

Q6 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
BBX ECU HDR KEO ?

A. NHG

B. MKI

C. NFL

D. NMB



Q7 Letter Series

Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) O V U I C G X I A U Y U S L M X U Q T I W I (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 2

B. 5

C. 3



D. 4

Q8 Letter Series

Refer to the following letter series and answer the question that follows. (Counting to be done from left to right only).

(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)

How many such vowels are there each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. Two

B. One



C. Three

D. Zero

Q9 Letter to Number Mapping

In a certain code language, 'RAIL' is coded as '9653' and 'BAIL' is coded as '9316'. What is the code for 'B' in the given code language?

A. 6

B. 1



C. 3

D. 9

Q10 Letters Between Two Positions

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) T S W H M F K Z I N O A B Q S P J M L R C V E W O (Right)

How many letters are there, as per the English alphabetical order, between the letter that is sixth from the right end and the third from the left end of the given series?

A. 4



B. 3

C. 2

D. 5

Q11 Letters Between Two Positions

This question is based on the given words.

ICE MET JAW GUM

How many letters are there in the English alphabetical order between the first letter of the second word from the right and the second letter of the first word from the left?

A. 7

B. 9

C. 6



D. 5

Q12 Letters in a Given Word

Each vowel in the word AWAKENED is changed to the letter immediately following it in the English alphabetical order AND each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. J

B. B



C. C

D. M

Q13 Letters in a Given Word

Each vowel in the word PRACTICE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. H

B. None of the letters appear exactly twice



C. S

D. Q

Q14 Mathematical Operations

If 2 is subtracted from each odd digit and 2 is added to each even digit in the number 272465937257, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 7

B. 8



C. 9

D. 6



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Q15 Mathematical Operations

Each of the digits in the number 9357146 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. Two
- B. None
- C. Three
- D. One

**Q16 Mathematical Operations**

This question is based on the five, three-digit numbers given below.

(Left) 813 845 591 372 862 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

- A. 7
- B. 6
- C. 9
- D. 5

**Q17 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

6 - 12 - 22 - 44;
7 - 14 - 24 - 48

- A. 9-18-28-38
- B. 5-10-22-44
- C. 11-22-32-64
- D. 8-16-26-36

**Q18 Operator Swap**

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$90 - 5 + 120 \times 4 \div 18 = ?$$

- A. 438
- B. 434
- C. 428
- D. 442

**Q19 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VAK :: OTD : %

- A. # = MRB , % = XCM
- B. # = NRB , % = XCM
- C. # = MRB , % = XMC
- D. # = MRB , % = YCM

**Q20 Pattern Based**

NX 15 is related to OU 6 in a certain way. In the same way, UO 13 is related to VL 4. To which of the following is ON 11 related, following the same logic?

- A. OK 2
- B. PK 2
- C. OL 4
- D. PL 4

**Q21 Pattern Based**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SHIP - HISP - SHPI

ROAD - OARD - RODA

- A. NOTE - NETO - ETON
- B. FILE - ELIF - ILEF
- C. PARK - ARPK - PAKR
- D. MAKE - AMEK - KEMA



Q22 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. DFI

B. NPS

C. SUX

D. GIK

**Q23 Position Pattern**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. SKC

B. NFX

C. OGY

D. TBU

**Q24 Shortest Distance**

Arvinda starts from point L and drives for 6 km towards south. He then takes a right turn and drives for 11 km, then he takes a right turn and drives for 3 km. He then takes a left turn and drives for 5 km. He finally takes a right turn and drives for 3 km to reach Point Z.

How far (shortest distance) and towards which direction should he drive in order to reach Point L again? (All the turns are 90-degree turns only unless specified.)

A. 16 km towards north

B. 10 km towards south

C. 16 km towards east



D. 11 km towards west

Q25 Square/Cube Based

120 is related to 11 following a certain logic. Following the same logic, 255 is related to 16. To which of the following is 323 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 18



B. 19

C. 28

D. 14

Q26 Symbol Based

In a certain code language,
A # B means 'A is the son of B',
A % B means 'A is the brother of B',
A – B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is M related to K if 'M – E # W @ P % K'?

A. Brother's daughter

B. Daughter

C. Wife

D. Brother's wife

**Q27 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S – A + E @ R % N'?

A. Son

B. Father

C. Husband

D. Brother



Q28 Two Statement Sufficiency

A question is followed by two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question: Among 5 trees, L, M, O, P and Q, each having a different height, which tree is the tallest?

Statements:

- (I) O is taller than L but shorter than M. O is shorter than only one tree.
(II) L is taller than Q.

A. Data in Statement I alone is sufficient to answer the question, while data in statement II is not.



B. Data in Statement II alone is sufficient to answer the question, while data in statement I is not.

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

D. Both statements I and II together are not sufficient to answer the question.

Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All hens are ducks.
All ducks are bananas.

Conclusions:

- (I) Some bananas are ducks.
(II) All hens are bananas.

A. Both conclusions (I) and (II) follow.



B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Only conclusion (II) follows.

Q30 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

21 23 27 33 41 ?

A. 51



B. 50

C. 53

D. 48



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Q1 Alphabetical/Dictionary Ranking

This question is based on the six, three-digit numbers given below:

(Left) 420 529 126 780 288 103 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position of how many numbers will remain unchanged?

A. 4

B. 2

C. 1

D. 3

Q2 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

V has an exam on Tuesday. Exactly 3 people have an exam between V and R. P has an exam immediately before T and Q has an exam immediately after T. Only 1 person has an exam between P and S.

How many people have an exam between R and T?

A. 2

B. 3

C. 4

D. 1

Q3 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

R has an exam on Friday. Exactly 3 people have an exam between U and P, none of whom has an exam on Sunday. Q has an exam immediately after T. V has an exam immediately before P.

How many people have an exam between P and S?

A. 4

B. 1

C. 2

D. 3

Q4 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

T has an exam on Tuesday. Exactly 2 people have an exam between T and V. P has an exam immediately before S and R has an exam immediately after Q. Only 1 person has an exam between S and Q.

Who has an exam on Sunday?

A. R

B. U

C. S

D. V

Q5 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre.

Only three people sit between A and D, when counted from the left of A. Only three people sit between G and E, when counted from the right of E. C sits to the immediate right of G. F is an immediate neighbour of E as well as D.

How many people sit between B and C, when counted from the right of B?

A. 1

B. 2

C. 3

D. 4

Q6 Facing Center

Eight friends Akash, Drishti, Kanika, Kajal, Charu, Ravi, Shivi and Pari are sitting around a circular table, facing the centre. Akash sits second to the left Kanika. Kanika sits third to the right of Kajal. Pari is an immediate neighbour of Charu and Kanika. Drishti sits second to the right of Pari. Ravi is not an immediate neighbour of Drishti. How many people sit between Shivi and Ravi when counted from the left of Ravi?

A. Two

B. One

C. Four

D. Three



Q7 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?
VKR ANW FQB KTG ?

A. QWM

B. OXK

C. PWL



D. QVL

Q8 Letter to Number Mapping

In a certain code language, 'CODE' is coded as '8367' and 'DECK' is coded as '0736'. What is the code for 'K' in the given code language?

A. 7

B. 8

C. 0



D. 3

Q9 Letter to Number Mapping

In a certain code language, 'SCAM' is coded as '7532' and 'SACK' is coded as '5742'. What is the code for 'K' in the given code language?

A. 7

B. 5

C. 2

D. 4

**Q10 Letters Between Two Positions**

This question is based on the following words.

(LEFT) JAR DEW ARM LAG (RIGHT)

How many letters are there between the first letter of the first word from the right and the second letter of the second word from the left as per the English alphabetical order?

A. 6



B. 5

C. 7

D. 4

Q11 Operation Based

8 is related to 510 following a certain logic. Following the same logic, 9 is related to 727. To which of the following is 10 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.).

A. 963

B. 972

C. 990

D. 998

**Q12 Operation Based**

35 is related to 11 following a certain logic. Following the same logic, 47 is related to 15. To which of the following is 23 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 12

B. 7



C. 15

D. 5

Q13 Operation Based Coding

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number **6352814**, which of the following digits will be third from the right in the new number thus formed?

A. 0

B. 2

C. 4

D. 6



Q14 Operation Based Coding

If 1 is subtracted from each odd digit and 2 is added to each even digit in the number 433535454976, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 6

B. 7

C. 8

D. 5

Q15 Operator Swap

If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$30 - 5 \div 15 + 24 \times 6 = ?$$

A. 10

B. 198

C. 161

D. 1

Q16 Pattern Based

TVYC is related to EGJN in a certain way based on the English alphabetical order. In the same way, UWZD is related to FHKO. To which of the following is ACFJ related, following the same logic?

A. LOPW

B. LNPU

C. LMPU

D. LNQU

Q17 Position Based

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

EHY : HGU

JEO : MDK

A. DIV : GGR

B. IBR : LAM

C. NQV : QPR

D. PGZ : SFU

Q18 Position Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: WRP :: JUG : %

A. # = TOM , % = MXJ

B. # = UOM , % = MZJ

C. # = TON , % = NXJ

D. # = TPM , % = MXH

Q19 Position Pattern

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. DKQ

B. CJQ

C. TAH

D. ELS

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

A. XVT

B. PNL

C. TRP

D. PKH

Q21 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word MIXABLE is arranged in the English alphabetical order?

A. Three

B. Two

C. None

D. One



Q22 Rearrangement of Letters

Each letter in the word COWGIRL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter cluster thus formed?

A. Eight



B. Eleven

C. Nine

D. Seven

Q23 Symbol Based

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A - E @ R % N'?

A. Brother

B. Father

C. Mother's brother

D. Mother's brother's son

**Q24 Symbol Based**

In a certain code language,
A+ B means 'A is the son of B'
A - B means 'A is the brother of B'
A # B means 'A is the wife of B'
A % B means 'A is the father of B'
Based on the above, how is D related to K if 'D%R-T+K'?

A. Husband



B. Father

C. Son

D. Brother

Q25 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers.

(Left) K € £ E 9 3 T @ 8 M % 7 C A # 5 2 R A \$ G I (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the left?

A. 8



B. C

C. T

D. M

Q26 Symbol Included Pattern

Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) G Y # B D W & L % J R U * T @ W A Z Q \$ V N K S (Right)

How many such letters are there each of which is immediately preceded by a symbol and also immediately followed by another symbol?

A. Three

B. One

C. Two



D. Four

Q27 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. All numbers are single digit numbers.

(Left) 9 7 8 \$ 2 ^ @ 5 & % 1 Ω 4 # 8 ! 3 6 * (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 1

B. 5

C. 8

D. 2

**Q28 Two Statement Syllogism**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: Some bats are dogs. No dog is a can.

Conclusion (I): Some bats are cans.

Conclusion (II): Some dogs are bats.

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows



D. Only conclusion (I) follows



Q29 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some chairs are tables. All tables are wood.

Conclusion (I): Some wood are chairs.

Conclusion (II): No wood is a chair.

A. Only conclusion (II) follows

B. Only conclusion (I) follows



C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

Q30 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

19 21 26 36 53 ?

A. 84

B. 78

C. 79



D. 75



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Q1 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five sticks, V, H, Y, D and N, each having a different height, which stick is the tallest?

(I) Y is taller than only one stick. D is shorter than H but taller than V.

(II) D is taller than N.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together are NOT sufficient to answer the question

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

**Q2 Day of Week Assignment**

Each of C, D, E, F, J, K and L has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exams before F. Only one person has exam after D. Only three people have exams between F and L. Only one person has exam between J and K. E has exam immediately before J. How many people have exams between C and J?

- A. One
- B. Two
- C. Four
- D. Three

**Q3 Facing Center**

A, B, C, D, E and F are sitting around a circular table, facing the centre.

C sits third to the right of B. D sits to the immediate left of A. D is not an immediate neighbour of B. F sits to the immediate right of E.

The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

- A. Four
- B. Three
- C. One
- D. Two

**Q4 Facing Center**

Seven friends, B, C, D, T, U, V and W, are sitting around a circular table facing the center of the table. Only one person sits between B and C, when counted from the left of C. W sits third to the right of U. V sits third to the left of T. W sits to the immediate right of V. D is not an immediate neighbor of V. How many people sit between D and C, when counted from the right of D?

- A. Three
- B. Four
- C. One
- D. Two

**Q5 Floor/Building Arrangement**

Seven boxes, A, B, C, D, E, F, and G, are stacked vertically. F is placed second from the top. G is placed immediately below E. Only one box is placed between D and E. D is placed fourth from the bottom. B is placed immediately below F. A is placed in one of the positions above C. What is the position of G?

- A. Second from bottom
- B. Second from top
- C. Top-most
- D. Bottom-most

**Q6 Floor/Building Arrangement**

Seven boxes, G, H, I, B, C, D and E, are kept one over the other, but not necessarily in the same order. Only two boxes are kept between C and H. Only B is kept above D. No box is kept below H. I is kept at some place below G but at some place above E. Which box is kept third above E?

- A. D
- B. C
- C. E
- D. G



Q7 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order, to make it logically complete?

WHO AKS ENW IQA ?

A. NTF

B. LSF

C. MTE



D. NUD

Q8 Letters in a Given Word

Each vowel in the word VATLETS is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. One



B. Zero

C. Two

D. Three

Q9 Letters in a Given Word

This question is based on the following words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. Two

C. Three



D. One

Q10 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 327 914 924 512 458 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

In how many numbers is the sum of the second digit and the third digit of a number is exactly divisible by 3?

A. Two

B. Four

C. One

D. Three

**Q11 Mathematical Operations**

If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 724859758586, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10

B. 11

C. 13

D. 12

**Q12 Missing Number**

What should come in place of '?' in the given series?

9, 19, 30, 42, 55, ?

A. 70

B. 71

C. 69



D. 68

Q13 Number Series

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 1 4 7 4 4 9 6 6 4 3 3 4 7 5 7 5 9 1 2 3 6 5 3 5 6 9 7

(Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 2



B. 4

C. 3

D. 1

Q14 Operation Based

58 is related to 233 following a certain logic. Following the same logic, 77 is related to 309. To which of the given options is 46 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 124

B. 156

C. 185



D. 144



Q15 Operator Swap

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$61 - 5 + 231 \times 21 \div 33 = ?$$

A. 333

B. 327



C. 320

D. 324

Q16 Operator Swap

If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$11 - 3 \div 14 + 15 \times 5 = ?$$

A. 29

B. 35

C. 44



D. 52

Q17 Pattern Based

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

IRON - NORI - RION

MILE - ELIM - IMLE

A. PLAN - PALN - PLNA

B. REST - TSER - ERST



C. HOPE - HPEO - EPHO

D. FIND - DINF - FNID

Q18 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BIK : FEI

KKM : OGK

A. BLO : FHL

B. GEH : KAE

C. K VX : OQV

D. LSU : POS

**Q19 Pattern Based**

DEGH is related to FGIIJ in a certain way based on the English alphabetical order. In the same way, KLNO is related to MNPQ. To which of the following is UVXY related, following the same logic?

A. XWZC

B. WXZA



C. XYZB

D. WXZB

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. FC-ZW

B. PM-II



C. HE-BY

D. AX-UR

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

A. RPN

B. XVT

C. QOL



D. ZXV

Q22 Rearrangement of Letters

Each letter in the word HACKING is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

A. Six

B. Three

C. Two



D. Five



Q23 Shortest Distance

Ankit starts from Point A and drives 12 km towards East. He then takes a right turn, drives 7 km, turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes the final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 5 km to South



B. 4 km to South

C. 3 km to South

D. 5 km to North

Q24 Shortest Distance

Mr. Tosi starts from Point A and drives 11 km towards the East. He then takes a left turn, drives 12 km, then turns left and drives 23 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 7 km to the North



B. 7 km to the South

C. 8 km to the West

D. 9 km to the East

Q25 Square/Cube Based

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(21, 441, 11)

(16, 256, 6)

A. (19, 361, 9)



B. (25, 625, 8)

C. (22, 484, 11)

D. (13, 169, 4)

Q26 Symbol Based

In a certain code language,
 $A + B$ means 'A is the mother of B',
 $A - B$ means 'A is the brother of B',
 $A \times B$ means 'A is the wife of B',
 $A \% B$ means 'A is the father of B' and
 $A \# B$ means 'A is the daughter of B'.

How is Lg related to Rv if 'Rv – Qe # Hp + Ki # Lg'?

A. Father



B. Brother

C. Son

D. Sister

Q27 Symbol Based

In a certain code language,
 $A \# B$ means 'A is the son of B',
 $A \% B$ means 'A is the brother of B',
 $A - B$ means 'A is the wife of B' and
 $A @ B$ means 'A is the father of B'.

How is M related to K if 'M – E \% W @ P # K'?

A. Brother's daughter

B. Husband's brother's wife



C. Brother's wife

D. Husband's brother's daughter

Q28 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P \% 7 @ 8 T 6 & K 2 R 5 # 3 E \Omega C D (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

A. 2



B. R

C. 5

D. K



Q29 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) Y B \$ A W M & # J Q Z F L @ R H * T C D S (Right)

How many such symbols are there which are immediately preceded by another symbol and also immediately followed by a letter ?

A. Three

B. Two

C. One



D. Four

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All engineers are artists.

Some artists are dancers.

Conclusions:

(I) Some dancers are engineers.

(II) Some artists are engineers.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows



D. Both conclusions (I) and (II) follow



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of ? in the given series based on the English alphabetical order?

CGXA HLTE MQPI RVLN WAHQ ?

A. BFDU



B. CEDU

C. CEEV

D. BFEV

Q2 Day of Week Assignment

Each of Kavita, Mini, Tinku, Shiv, Alok, Rinku, and Farheen has exam on a different day of a week starting from Monday and ending on Sunday of the same week. Only one person has exam between Shiv and Alok. Only two people have exam between Mini and Kavita. Tinku does not have exam on any of the days after Alok. Only two people have exam between Rinku and Mini. Only three people have exam before Mini. Rinku does not have exam on any of the days after Kavita. Farheen does not have exam immediately after Shiv.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Shiv and Alok



B. Shiv and Mini

C. Alok and Farheen

D. Rinku and Tinku

Q3 Day of Week Assignment

Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only four people have exam between H and B. E has exam on Friday. Only two people have exam between B and E. I has exam immediately after D. C doesn't have exam on Monday.

How many people have exam between C and G?

A. Four



B. One

C. Three

D. Two

Q4 Direct Relations

K is the sister of H. M is the wife of L. H is the brother of M. L is the father of Z. How is K related to Z?

A. Sister's husband

B. Mother's sister



C. Wife's father

D. Brother's wife

Q5 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only three boxes are kept above R. Only two boxes are kept between R and T. Only S is kept above I. J is kept at some place below Q and at some place above K. How many boxes are kept between Q and T?

A. Four

B. One

C. Two

D. Three

**Q6 Letter to Number Mapping**

In a certain code language, 'OVEN' is coded as '6218' and 'MOVE' is coded as '5621'. What is the code for 'N' in the given code language?

A. 1

B. 5

C. 8



D. 2

Q7 Letters Between Two Positions

This question is based on the given words.

LOG ZAG IVY DON

How many letters are there in the English alphabetical order between the second letter of the second word from the right and the first letter of the second word from the left?

A. 2

B. 3



C. 5

D. 4



Q8 Letters in a Given Word

Each vowel in the word EPIDERM is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. None
- B. Two
- C. Three
- D. One

**Q9 Letters in a Given Word**

This question is based on the given words.

CAT ARM RAG FAT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

- A. None
- B. One
- C. Two
- D. Three

**Q10 Missing Number**

What should come in place of the question mark (?) in the given series?

1 2 4 7 11 ?

- A. 14
- B. 16
- C. 15
- D. 18

**Q11 Number Series**

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 8 7 2 5 8 4 1 2 7 9 1 1 5 5 4 8 2 1 1 5 7 4 6 3 8 3
(Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an odd number?

- A. 5
- B. 6
- C. 8
- D. 7

**Q12 Number Series**

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 8 2 3 5 6 9 7 3 2 4 1 8 2 5 6 9 1 4 3 2 6 8 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. Three
- B. Four
- C. Two
- D. One

**Q13 Operation Based**

58 is related to 405 following a certain logic. Following the same logic, 67 is related to 468. To which of the given options is 91 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- A. 644
- B. 652
- C. 663
- D. 636

**Q14 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

5 – 25 – 35 – 70;
6 – 36 – 46 – 92

- A. 7-49-59-118
- B. 4-16-32-42
- C. 8-16-32-42
- D. 3-9-18-27



Q15 Operator Swap

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$(4 \div 2) + 2 - 14 + 18 \times 2 - 24 = ?$$

- A. 45
- B. 30
- C. 40
- D. 35

**Q16 Operator Swap**

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$36 - 1 \div 9 + 6 \times 6 = ?$$

- A. 46
- B. 45
- C. 44
- D. 42

**Q17 Operator Swap**

If '-' means '÷', 'x' means '+', '÷' means 'x' and '+' means '-', then what will come in place of the question mark (?) in the following equation?

$$15 \times 4 + 6 - 3 \div 2 = ?$$

- A. 11
- B. 50
- C. 15
- D. 53

**Q18 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: OUC :: RTF : %

- A. # = NWD, % = SRG
- B. # = NVD, % = QGN
- C. # = PWD, % = QRE
- D. # = PWE, % = SUE

**Q19 Pattern Based**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

BNG : DQI
UCF : WFH

- A. ZLE : BOH
- B. TBQ : UDT
- C. SAI : TDK
- D. QOM : SRO

**Q20 Pattern Based**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

NS-LQ-JM
RW-PU-NQ

- A. GL-EJ-CF
- B. BF-DH-FJ
- C. TR-QP-NM
- D. AB-CD-EF

**Q21 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. VO - DF
- B. PI - XZ
- C. JC - RT
- D. UM - CE

**Q22 Position Pattern**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. RTV
- B. DFH
- C. LMQ
- D. KMO



Q23 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word JOURNALISM is arranged in the alphabetical order?

A. Three

B. One



C. Four

D. Two

Q24 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line facing north. Only two people sit to the left of L. Only two people sit between L and F. M sits second to the left of F. Only two people sit between M and E. L sits at some place to the right of H but at some place to the left of G. How many people sit to the left of G?

A. Two

B. Four



C. One

D. Three

Q25 Single Row (One-way/Both-way)

Seven students I, J, K, P, Q, R and Z are sitting in a row facing north. Z sits to the immediate left of P. Only two people sit to the left of J. Only three people sit between J and Q. Only one person sits between Q and K. R is not an immediate neighbor of Q. How many people sit to the right of I?

A. Four

B. One



C. Two

D. Three

Q26 Symbol Based

In a certain code language,
A + B means 'A is the son of B'
A @ B means 'A is the sister of B'
A # B means 'A is the wife of B'
A ÷ B means 'A is the father of B'

Based on the above, how is Q related to H if 'Q + W # R ÷ G @ H'?

A. Husband

B. Father

C. Son

D. Brother

**Q27 Symbol Included Pattern**

Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) S N \$ \$ F \$ G © Y X M * M G # € \$ & M # Y Y (Right)
How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. Three



B. Two

C. Four

D. Five

Q28 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five people – G, H, I, J, and K – who is the youngest?

(I) H is older than G and I but younger than J.

(II) K is younger than J but older than H.

A. Data in statement II alone is sufficient to answer the question while data in statement I is not.

B. Data in statement I alone is sufficient to answer the question while data in statement II is not.

C. Both statements I and II together are NOT sufficient to answer the question.



D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All buses are planes.

Some planes are trains.

Conclusions:

(I) Some buses are trains.

(II) Some trains are planes.

A. Both conclusions (I) and (II) follow.

B. Only conclusion (II) follows.



C. Only conclusion (I) follows.

D. Neither conclusion (I) nor (II) follows.



Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some huts are dens. No den is a cave.

Conclusions:

- (I) Some huts are caves.
- (II) Some dens are huts.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Both conclusions (I) and (II) follow.

D. Neither conclusion (I) nor (II) follows.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Both Needed Together

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Five friends – R, S, T, U, and V – are sitting around a circular table facing the centre. Who is sitting immediately to the right of R?

(I) S sits immediately to the left of R, and T sits immediately to the right of U.

(II) U is an immediate neighbour of both T and V.

Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



- B.** Data in statement II alone is sufficient to answer the question while data in statement I is not.
- C.** Both statements I and II together are NOT sufficient to answer the question.
- D.** Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q2 Facing Center

A, B, C, D, E and F are sitting around a circular table, facing the centre.

F sits third to the right of A. D sits to the immediate left of E. E is not an immediate neighbour of A. B sits to the immediate right of C.

The position(s) of how many persons will remain unchanged if all persons are arranged in alphabetical order in clockwise direction starting from A?

A. Four



- B.** Two
- C.** Three
- D.** One

Q3 Floor/Building Arrangement

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

U lives on the topmost floor. Only three people live between U and Q. P lives on a floor below Q. S lives on an even-numbered floor. R lives on an odd-numbered floor but not on floor number 5.

How many people live between T and Q?

A. Four

B. Two



C. One

D. Three

Q4 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above K. Only one box is kept above Q. Only one box is kept between Q and I. R is kept immediately above J. S is kept at some place below T. How many boxes are kept between T and J?

A. Four

B. Five



C. Three

D. Two

Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

AHYK XDPC UZGU RVKZ ?

A. PRPE

B. OROE



C. OSOD

D. PSPD



Q6 Letters Between Two Positions

This question is based on the given words.

ZED OWL LAG JAM

How many letters are there in the English alphabetical order between the third letter of the third word from the right and the first letter of the first word from the left?

A. 14

B. 12

C. 13



D. 16

Q7 Letters in a Given Word

This question is based on the given words.

APE CAR FAR RED

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. Two

C. Three



D. One

Q8 Linear Family Relations

V is the wife of M. M is the father of L. P is the brother of G. L is the sister of P. How is V related to G?

A. Daughter

B. Mother



C. Sister

D. Wife

Q9 Mathematical Operations

Each of the digits in the number 8231954 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 11

B. 9

C. 12

D. 10

**Q10 Missing Number**

What should come in place of the question mark (?) in the given series?

33, 37, 45, 57, 73 ?

A. 94

B. 93



C. 92

D. 95

Q11 Number Series

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 9 7 6 2 5 4 8 3 6 4 2 5 8 3 1 5 2 6 9 8 6 4 9 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Two



B. Three

C. One

D. None

Q12 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 - 14 - 28 - 42;

2 - 12 - 24 - 36

A. 7 - 17 - 34 - 51



B. 6 - 36 - 72 - 82

C. 3 - 13 - 26 - 52

D. 5 - 25 - 50 - 75



Q13 Operation Based

71 is related to 427 following a certain logic. Following the same logic, 85 is related to 511. To which of the given options is 93 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 597

B. 542

C. 580

D. 559

**Q14 Pattern Based**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

IWD : LYE
RAU : UCV

A. LES : OGT



B. GOX : JQZ

C. HYR : KAL

D. JTA : MVA

Q15 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: QMG :: XKR : %

A. # = ONH, % = ZHQ

B. # = ONF, % = ZJS



C. # = SNF, % = UJS

D. # = SOF, % = UMP

Q16 Pattern Based

JUVM is related to YJKB in a certain way based on the English alphabetical order. In the same way, RCDU is related to GRSJ. To which of the following options is KVWN related, following the same logic?

A. ZKLC



B. ZCLO

C. ZLKI

D. ZKLO

Q17 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. DFI

B. HJL



C. PRU

D. KMP

Q18 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

A. MKJ

B. XVT



C. OML

D. IGF

Q19 Position from Left/Right

Jiya ranked 22nd from the bottom and 27th from the top in his class. How many students are there in his class?

A. 45

B. 46

C. 47

D. 48

**Q20 Rearrangement of Letters**

Each letter in the word VARLETS is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. M

B. T

C. S



D. U



Q21 Rearrangement of Letters

Each letter in the word DISPLACE is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. M

B. J 

C. E

D. F

Q22 Shortest Distance

Mr. Tosi starts from Point A and drives 17 km towards the south. He then takes a right turn, drives 25 km, turns right and drives 24 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the north

B. 4 km to the west 

C. 6 km to the south

D. 5 km to the east

Q23 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Only I sits to the right of R. Only three people sit to the left of Z. Only three people sit between R and K. P sits at some place to the left of J but at some place to the right of Q. How many people sit between Q and J?

A. Two

B. Four

C. Three 

D. One

Q24 Symbol Based

In a certain code language,

'A + B' means 'A is the son of B',

'A @ B' means 'A is the sister of B',

'A # B' means 'A is the wife of B' and

'A ÷ B' means 'A is the father of B'.

How is Q related to H if 'Q + W ÷ R @ G # H'?

A. Brother

B. Wife's father

C. Wife's brother 

D. Father

Q25 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 6 N % 4 & H 7 @ 3 S 6 # G F ! 5 R 3 * D \$ (Right)

How many such symbols are there, which are immediately preceded by a letter and also immediately followed by a number?

A. Three

B. None

C. Two 

D. One

Q26 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) M \$ D = < B U % G P + K & V # L T N @ F £ * N (Right)

How many such symbols are there, each of which are immediately preceded by a symbol and immediately followed by a letter?

A. None

B. One

C. Three

D. Two **Q27 Symbol Substitution**

If 'P' stands for '+', 'R' stands for 'x', 'Q' stands for '-' and 'S' stands for '÷', what will come in place of the question mark (?) in the following equation?

17 P 7 Q 5 S 5 R 16 = ?

A. 16

B. 10

C. 9

D. 8 **Q28 Symbol Substitution**

If 'R' stands for '÷' and 'S' stands for '+', what will come in place of the question mark (?) in the following equation?

48 R 4 S 7 = ?

A. 21

B. 20

C. 19 

D. 18



Q29 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: A, B, C, D, and E have scored different marks. Among them, who scored the second highest?

Statements:

(I) D scored more than B, C, and A but less than E.

(II) C scored more than A and B.

- A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- B. Both statements I and II together are NOT sufficient to answer the question
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not 
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q30 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Ari, Bitu, Cema, Dani and Eta are sitting around a circular table, facing the centre. Who sits to the immediate right of Dani?

(I) Dani sits second to the right of Cema. Eta sits second to the right of Dani.

(II) Eta sits to the immediate left of Cema. Dani sits third to the left of Cema.

- A. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- B. Data in statements I and II together are NOT sufficient to answer the question. 
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- D. Data in statement I alone is sufficient to answer the question while data in statement II is not.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PIK BUW NGI ZSU ?

A. LGT

B. LGY

C. LEG



D. LOP

Q2 Day of Week Assignment

Each of Abhishek, Jai, Kanika, Meena, Reena, Sunny and Teena has exam on a different day of a week starting from Monday and ending on Sunday of the same week.

Only two people have exam between Reena and Sunny.

Only one person has exam between Jai and Abhishek.

Only two people have exam between Sunny and Kanika.

Meena has exam immediately before Jai.

Kanika does not have exam on any of the days before Jai.

Three of the following four options are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

A. Jai and Sunny

B. Abhishek and Teena

C. Kanika and Reena



D. Reena and Meena

Q3 Direct Relations

G is the brother of K. V is the husband of B. K is the daughter of V. B is the sister of J. How is G related to J?

A. Sister's son



B. Brother's daughter

C. Husband's mother

D. Daughter's daughter

Q4 Facing Center

B, D, E, P, S, T and W are sitting around a circular table, facing the centre of the table.

Only one person sits between E and P when counted from the right of E. Only one person sits between P and W. Only one person sits between E and T. Only two people sit between D and W. Only one person sits between S and T. Who sits to the immediate right and left of B respectively?

A. E and T



B. T and D

C. T and W

D. E and W

Q5 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept between S and Q. T is kept above S. Only two boxes are kept between I and J. K is kept immediately above R. J is not kept immediately above K. No box is kept below Q. Which box is kept fourth from the top?

A. R

B. I

C. K



D. J

Q6 Letter Analogy

NP 23 is related to OL 11 in a certain way. In the same way, EG 21 is related to FC 9. To which of the following is PK 16 related, following the same logic?

A. QH 6

B. QG 4



C. RH 6

D. RG 4

Q7 Letter Analogy

KK 27 is related to LH 13 in a certain way. In the same way, IP 23 is related to JM 9. To which of the following is HN 16 related, following the same logic?

A. JK 4

B. IK 2



C. JJ 2

D. IJ 4



Q8 Letter to Number Mapping

In a certain code language, 'DIAL' is coded as '3615' and 'LEAD' is coded as '5213'. What is the code for 'I' in the given code language?

A. 2

B. 5

C. 6



D. 1

Q9 Letters in a Given Word

This question is based on the given words.

ACT CRY ROW BOX

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. None

B. One

C. Three



D. Two

Q10 Letters in a Given Word

This question is based on the given words.

KEG LAM BIN BUG

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. One

B. Zero

C. Two



D. Three

Q11 Mathematical Operations

If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 298576, how many digits will appear more than once in the new number thus formed?

A. One

B. None

C. Two



D. Three

Q12 Missing Number

What should come in place of ? in the given series?
245 216 187 158 129 ?

A. 100



B. 101

C. 111

D. 102

Q13 Operation Based

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. For example, 13 — operations such as adding, subtracting, multiplying, etc., can be performed on 13 as a whole. Breaking down 13 into 1 and 3 and then performing operations on 1 and 3 is not allowed.)

4 – 64 – 74 – 84;
3 – 27 – 37 – 47

A. 7-21-31-41

B. 5-125-135-145



C. 6-216-226-246

D. 2-8-18-36

Q14 Operation Based

366 is related to 731 following a certain logic. Following the same logic, 413 is related to 825. To which of the given options is 287 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 751

B. 573



C. 445

D. 630



Q15 Pattern Based

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BIQ :: BIQ : %

A. # = TOI , % = JQY

B. # = TAI , % = JQY



C. # = TAI , % = JTY

D. # = TAI , % = JQL

Q16 Position Pattern

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. SVX

B. NQS

C. KMO



D. LOQ

Q17 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. UD – SX



B. AK-JR

C. LV-UC

D. GQ – PX

Q18 Position from Left/Right

Mr. Klo ranked 15th from the top and 66th from the bottom in his class. How many students are there in his class?

A. 81

B. 80



C. 82

D. 79

Q19 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word RAINBOW is arranged in the English alphabetical order?

A. Zero

B. Two

C. One

D. Three

**Q20 Rearrangement of Letters**

Each of the digits in the number 5274381 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. Two



B. One

C. None

D. Three

Q21 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each of the letters in the word SUBSTANTIAL is arranged in the reverse English alphabetical order?

A. Four

B. Two



C. Three

D. One

Q22 Shortest Distance

Rupali starts from Point Y and drives for 7 km towards east. She then takes a right turn and drives for 5 km and then she takes a left turn and drives for 4 km. She then takes a right turn and drives for 6 km. She finally takes a right turn and drives for 11 km to reach Point E. How far (shortest distance) and towards which direction should she drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

A. 11 km towards east

B. 20 km towards south

C. 16 km towards north

D. 11 km towards north



Q23 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only four people sit between L and M. E sits to the immediate left of M. Only one person sits between E and H. G sits at some place to the left of F. How many people sit between F and G?

A. Four

B. Two

C. One



D. Three

Q24 Symbol Based

In a certain code language,
 $A \text{ ₹ } B$ means 'A is the father of B',
 $A \leq B$ means 'A is the mother of B',
 $A \div B$ means 'A is the daughter of B' and
 $A \neq B$ means 'A is the wife of B'.

Based on the above, how is P related to R if ' $P \neq A \text{ ₹ } G \leq E \div R$ '?

A. Wife's mother



B. Wife's mother's sister

C. Wife's father

D. Wife's sister

Q25 Symbol Included Pattern

Refer to the given letter, number and symbol series and answer the question that follows. All numbers are single-digit numbers only.

(Left) A 4 & P % 7 @ 8 T 6 & K 2 R 5 # 3 E Ω C D (Right)

If all the letters are dropped from the series, which of the following will be seventh from the left?

A. 6



B. &

C. 8

D. 2

Q26 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 7 7 & & # 3 3 # 9 1 4 € 4 # # 7 £ \$ 4 © 9 6 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

A. 5

B. 3



C. 4

D. 2

Q27 Symbol Included Pattern

Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 5 % 9 \$ 7 Ω 3 & 1 @ 8 * 6 £ 4 # 2 Ω 9 (Right)

How many such symbols are there, each of which is immediately preceded by an even number but NOT immediately followed by an even number?

A. One



B. More than three

C. Two

D. Three

Q28 Symbol Substitution

If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

5 B 4 D 6 A 2 C 3 = ? D 4

A. 30

B. 24



C. 34

D. 20



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Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All horses are bears.
Some horses are donkeys.

Conclusions:

- (I) Some bears are donkeys.
(II) Some donkeys are horses.

A. Both conclusions (I) and (II) follow.



B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

D. Only conclusion (II) follows.

Q30 Two Statement Syllogism

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All parks are forests.
No forest is a lake.

Conclusions:

- (I) No park is a lake.
(II) All lakes are forests.

A. Only conclusion (I) follows



B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?

- (I) L is shorter than M but taller than Q. O is taller than Q
(II) P is taller than only one tree

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.** ✓
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- D. Both statements I and II together are NOT sufficient to answer the question

Q2 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among five trees, N, O, R, S and T each having a different height, which tree is the shortest?

- (I) O is shorter than T but taller than S
(II) O is shorter than R. N is taller than S

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.** ✓
- D. Data in Statement II alone is sufficient to answer the question while data in statement I is not

Q3 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

V has an exam on Thursday. Exactly 4 people have their exam between T and P, none of whom has an exam on Sunday. R has an exam immediately before S. U does not have an exam on Friday. T does not have an exam after S. How many people have an exam between S and U?

- A. 1
- B. 3** ✓
- C. 2
- D. 4

Q4 Facing Center

Eight friends Karan, Shiv, Dipti, Richa, Mahi, Pari, Sonika and Bhanu are sitting around a circular table, facing the centre. Richa sits third to the left of Dipti. Pari sits second to the left of Shiv. Karan sits to the immediate left of Dipti. Sonika sits third to the left of Karan. Shiv sits third to the right of Dipti. Mahi is not an immediate neighbour of Karan. How many people sit between Mahi and Karan when counted from the left of Mahi?

- A. One
- B. Four
- C. Three
- D. Two** ✓

Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

XVRU, ARSS, ?, GJUO, JFVM

- A. DNQT
- B. DTNQ
- C. DNTQ** ✓
- D. DQNT



Q6 Letter Analogy

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

WAR : DHY

KTM : RAT

A. GEO : ZLU

B. NHR : UOY



C. FBI : MIB

D. NSP : UYI

Q7 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HGH :: RQR : %

A. # = FEF , % = TRU

B. # = FGH , % = TST

C. # = FEF , % = TST



D. # = FEE , % = SRS

Q8 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: MIE :: FBX : %

A. # = QMI , % = BWU

B. # = QMH , % = AWS

C. # = QOK , % = BXT

D. # = QMI , % = BXT

**Q9 Mathematical Operations**

If 2 is subtracted from each odd digit and 1 is added to each even digit in the number 5236587452 what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 6



B. 4

C. 5

D. 3

Q10 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 903, 671, 245, 381, 792 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What is the sum of the first digit of the lowest number and the third digit of the highest number?

A. 6

B. 7

C. 5



D. 8

Q11 Mathematical Operations

This question is based on the five, three-digit numbers given below.

(Left) 594 307 821 476 653 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What is the sum of the first digits of all odd numbers in the group?

A. 15

B. 13

C. 17



D. 19

Q12 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 631576454587, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 10



B. 7

C. 9

D. 8



Q13 Multiple Turns

Manu starts from Point A and drives 21 km towards East. He then takes a right turn, drives 20 km, turns right and drives 23 km. He then takes a right turn and drives 25 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 7 km to the South

B. 5 km to the South



C. 6 km to the South

D. 8 km to the South

Q14 Number Series

Refer to the following series and answer the question. (Counting to be done from left to right only. Note: All numbers are single digit numbers only) (Left)

4 5 6 9 1 6 1 9 5 5 8 8 5 9 5 7 1 5 7 8 5 3 5 4
3 2 9 4 6 6 (Right)

How many such even digits are there each of the which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square)

A. Three

B. Two

C. One



D. Four

Q15 Number Series

Refer to the following series and answer the question that follows. Counting to be done from left to right. (Note: All numbers are single-digit numbers only.)

(Left) 8 3 6 15 4 7 9 2 3 8 5 1 4 6 9 2 7 3 8 5 1 4 6 (Right)

How many odd numbers are there, each of which is immediately preceded by an even number and immediately followed by an even number?

A. 3



B. 2

C. 4

D. 5

Q16 Operation Based

10 is related to 110 following a certain logic. Following the same logic, 15 is related to 240. To which of the following is 17 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 324

B. 306



C. 342

D. 323

Q17 Operation Based

12 is related to 147 following a certain logic. Following the same logic, 19 is related to 364. To which of the following is 14 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 168

B. 211

C. 199



D. 203

Q18 Operator Swap

If + means -, - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$214 \div 28 \times 7 + 12 - 11 = ?$$

A. 85

B. 86



C. 81

D. 83



Q19 Position Pattern

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. CEG

B. SUW

C. GIK

D. MRV

**Q20 Position Pattern**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. CA-VT

B. QO-JH

C. GE-ZX

D. YW-QR

**Q21 Position from Left/Right**

Pranav ranked 24th from the top and 13th from the bottom in his class. How many students are there in his class?

A. 37

B. 38

C. 36



D. 35

Q22 Position from Left/Right

Shubham ranked 29th from the top and 17th from the bottom in his class. How many students are there in his class?

A. 47

B. 46

C. 45



D. 44

Q23 Rearrangement of Letters

Each letter in the word BRIDGE is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter will be at the last position in the new group of letters thus formed?

A. Q



B. A

C. D

D. F

Q24 Single Row (One-way/Both-way)

Six friends A, B, C, D, E and F are sitting in a row facing north. Only B is sitting between F and D. F is sitting third from the right end. E is sitting second to the left of F. A sits at someplace to the left of E. Who is sitting second to the right of A?

A. D

B. B

C. C



D. F

Q25 Symbol Based

In a certain code language,
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
A # B means 'A is mother of B',
and A < B means 'A is the brother of B'.

How is C related to Y if 'C # D < S + T @ Y'?

A. Wife's father's brother

B. Wife's father's sister

C. Wife's father's father

D. Wife's father's mother

**Q26 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.

Based on the above, how is S related to N if 'S + A @ E - R % N'?

A. Father's brother

B. Father's brother's son



C. Husband

D. Brother



Q27 Symbol Included Pattern

Refer to the following number, symbol series and answer the question. (Note: All numbers are single-digit numbers only.)

(Left) 8 6 – 4 1 α 3 2 # 3 * 9 \$ + 4 1 Ω 7 (Right)

If all the numbers were dropped from the series, which of the following symbols will be third from the right?

A. *

B. #

C. \$



D. α

Q28 Two Statement Sufficiency

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Ajit, Bina, Chip, Dora and Eli are sitting around a circular table, facing the centre. Who sits second to the right of Chip?

Statements:

(I) Bina sits second to the left of Chip. Ajit sits to the immediate left of Bina.

(II) Bina sits to the immediate left of Dora. Eli sits second to the left of Bina.

A. Data in Statement I alone is sufficient to answer the question while data in statement II is not



B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

D. Data in statements I and II together are NOT sufficient to answer the question

Q29 Word Based Problems

Given the word "FARMING," after replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter occupies the fourth position from the left in the new letter cluster thus formed?

A. E

B. Q

C. L



D. J

Q30 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

22 28 35 43 52 ?

A. 72

B. 62



C. 63

D. 60



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DHC FJE HLG JNI ?

A. LPJ

B. LPK

C. LOK

D. LOJ

Q2 Direct Relations

J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to D?

A. Wife

B. Mother

C. Wife's sister

D. Wife's mother

Q3 Floor/Building Arrangement

P, Q, R, S, T and U live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

U lives on floor number 5. R lives on a floor above U. Only S lives below T. Q lives on an even-numbered floor. How many people live below P?

A. Two

B. Three

C. One

D. Four

Q4 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. T is kept immediately above S. J is kept immediately above K. Only Q is kept above I. Only one box is kept between Q and T. J is not kept at the third position from the bottom. How many boxes are kept between R and Q?

A. One

B. Two

C. Four

D. Three

Q5 Letter Analogy

IN 28 is related to JQ 17 in a certain way. In the same way, TT 20 is related to UW 9. To which of the following is PU 16 related, following the same logic?

A. RW 7

B. RX 7

C. QW 5

D. QX 5

Q6 Letters in a Given Word

This question is based on the given words.

SUN EGO APT CUB

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. One

B. Two

C. None

D. Three

Q7 Letters in a Given Word

This question is based on the given words.

YES SIP TAR PUN

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. 1

B. 4

C. 2

D. 3

Q8 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7168543, how many digits will appear more than once in the new number thus formed?

A. Two

B. None

C. Three

D. One



Q9 Missing Number

What should come in place of the question mark (?) in the given series?

6 11 16 21 26 ?

A. 30

B. 28

C. 31



D. 27

Q10 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two/three digit number cannot be broken into individual digits for operations. E.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two-digit number cannot be broken into individual digits.)

22 - 32 - 64 - 128;

24 - 34 - 68 - 136

A. 18 - 28 - 56 - 66

B. 9 - 19 - 38 - 76



C. 21 - 42 - 52 - 104

D. 19 - 38 - 48 - 96

Q11 Operation Based

13 is related to 143 following a certain logic. Following the same logic, 5 is related to 15. To which of the given options is 7 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13, can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 35



B. 56

C. 42

D. 36

Q12 Operator Swap

What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$24 \div 4 + 6 - 2 \times 3 = ?$$

A. 6

B. 15



C. 9

D. 12

Q13 Operator Swap

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$9 - 34 + 38 \times 18 \div 27 = ?$$

A. -12

B. -13

C. -14



D. -16

Q14 Pattern Based

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

YZC-FGJ

UVY-BCF

A. RRT-XYB

B. RSV-XZB

C. RSV-YZC



D. RRT-YZC

Q15 Pattern Based

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FUEL - LFEU - ELFU

MINT - TMNI - NTMI

A. DUSK - KDUS - SKDU

B. NOTE - ENTO - OTEN

C. PACE - EPCA - CPAE

D. EARL - LERA - RLEA



Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. YE - GK

B. CI - KO

C. KQ - SW

D. RA - ZJ

**Q17 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. SUW

B. PRT

C. HJL

D. DFI

**Q18 Position from Left/Right**

Rohit ranked 90th from the top and 56th from the bottom in his class. How many students are there in the class?

A. 146

B. 145



C. 136

D. 135

Q19 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word CHAMBER is arranged in the English alphabetical order?

A. One



B. Three

C. Two

D. Zero

Q20 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word CASTLE is arranged in the English alphabetical order?

A. None



B. Three

C. Two

D. One

Q21 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Q sits to the immediate right of R. Only three people sit between I and J. P sits to the immediate left of J. No one sits to the right of K. Only two people sit between K and P. How many people sit between Z and Q?

A. One

B. Four

C. Two



D. Three

Q22 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. No one sits to the right of M. Only three people sit between M and F. Only two people sit between E and M. H sits third to the left of G. How many people sit between L and H?

A. Two

B. Three



C. One

D. Four

Q23 Symbol Based

In a certain code language,
 $A \neq B$ means 'A is the wife of B',
 $A \text{ ₹ } B$ means 'A is the father of B',
 $A \div B$ means 'A is the daughter of B' and
 $A \leq B$ means 'A is the mother of B'.

Based on the above, how is P related to R if ' $P \text{ ₹ } A \div G \leq E \neq R$ '?

A. Wife's brother

B. Wife's father



C. Wife's father's brother

D. Wife's sister



Q24 Symbol Included Pattern

Refer to the following letter, number and symbol series and answer the question that follows. (Counting to be done from left to right only. All numbers are single-digit numbers only.)

(Left) 4 G @ H J * P R % 7 E & L T 5 \$ 6 ! 3 M # (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a number?

- A. None
- B. One
- C. Three
- D. Two

**Q25 Symbol Included Pattern**

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 4 8 @ 3 € 8 & 6 * 6 © 6 \$ £ & 5 7 \$ \$ # 8 \$ (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- A. 5
- B. 7
- C. 8
- D. 6

**Q26 Symbol Included Pattern**

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) € # 6 2 @ # 1 6 @ 1 € \$ 3 9 \$ 2 4 4 * £ 6 6 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. 4
- B. 2
- C. 3
- D. 1

**Q27 Two Statement Sufficiency**

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Among L, M, N, O, and P each having a different age, who is the second youngest?

Statements:

I. O is older than M and L but younger than P.

II. N is older than O. L is not the youngest.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together are NOT sufficient to answer the question

D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

**Q28 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Abhi, Bani, Chari, Dipu and Epi are sitting around a circular table, facing the centre. Who sits second to the left of Dipu?

(I) Abhi sits second to the right of Chari. Dipu sits to the immediate right of Bani.

(II) Epi sits second to the right of Dipu. Bani sits second to the right of Epi.

- A. Data in statements I and II together are NOT sufficient to answer the question.
- B. Data in statement II alone is sufficient to answer the question while data in statement I is not.
- C. Data in statement I alone is sufficient to answer the question while data in statement II is not.



D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.



Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All balls are cameras. All fins are cameras.

Conclusions:

(I) Some balls are fins.

(II) Some cameras are fins.

A. Only conclusion (II) follows.



B. Only conclusion (I) follows.

C. Neither conclusion (I) nor (II) follows.

D. Both conclusions (I) and (II) follow.

Q30 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some muds are stadiums. No stadium is a ground.

Conclusions:

(I) Some muds are grounds.

(II) Some stadiums are muds.

A. Neither conclusion (I) nor (II) follows.

B. Only conclusion (I) follows.

C. Only conclusion (II) follows.



D. Both conclusions (I) and (II) follow.



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Alphabetical Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AEH CGJ EIL GKN ?

A. INO

B. IMP

C. INP

D. IMO

Q2 Both Needed Together

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Five bags – J, K, L, M, and N are of different weights. Among these, which one is the heaviest?

Statements:

(I) M is heavier than K and J but lighter than N.

(II) L is heavier than N. J is not the heaviest.

A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

B. Data in Statement II alone is sufficient to answer the question while data in statement I is not

C. Data in Statement I alone is sufficient to answer the question while data in statement II is not

D. Both statements I and II together are NOT sufficient to answer the question

Q3 Both Needed Together

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Among five weights – W, X, Y, Z, and V – which is the heaviest?

(I) X is heavier than W and Y but lighter than Z.

(II) V is heavier than X but lighter than Z.

A. Both statements I and II together are NOT sufficient to answer the question.

B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

C. Data in statement II alone is sufficient to answer the question while data in statement I is not.

D. Data in statement I alone is sufficient to answer the question while data in statement II is not.

Q4 Day of Week Assignment

Each of G, H, I, B, C, D and E has exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only one person has exam between C and G. Only two people have exam before H. Only one person has exam after B. Only three people have exam between H and D. E has exam immediately before C.

How many people have exam between I and C?

A. Three

B. Four

C. Two

D. One

Q5 Direct Relations

H is the father of L. F is the wife of H. T is the mother of F. L is the brother of M. How is T related to M?

A. Mother's mother

B. Brother's wife

C. Sister

D. Wife's mother



Q6 Floor/Building Arrangement

Seven boxes I, J, K, Q, R, S and T are kept one over the other but not necessarily in the same order. Only four boxes are kept above T. Only three boxes are kept between Q and T. Only one box is kept between I and K. K is kept immediately above T. Only four boxes are kept between I and S. J is kept at some place above R. Which box is kept second below J?

A. T



B. R

C. I

D. K

Q7 Letter Analogy

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

JHL-HFJ
RPT-PNR

A. YWA-WUY



B. YWA-VUX

C. YVY-VTX

D. YVY-WUY

Q8 Letter Analogy

IOLK is related to WCZY in a certain way based on the English alphabetical order. In the same way, MSPO is related to AGDC. To which of the following options is CIFE related, following the same logic?

A. QWER

B. QWSA

C. QYTR

D. QWTS

**Q9 Missing Number**

What should come in place of the question mark (?) in the given series?
13 20 28 37 47 ?

A. 59

B. 56

C. 57

D. 58

**Q10 Number Series**

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 8 1 3 4 5 7 1 6 3 4 8 5 1 2 7 9 7 2 9 6 3 1 5 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Four

B. Three

C. Two

D. Five

**Q11 Operation Based**

8 is related to 25 following a certain logic. Following the same logic, 16 is related to 49. To which of the given options is 30 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 106

B. 81

C. 90

D. 91

**Q12 Operation Based**

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
18 - 8 - 64 - 74;
19 - 9 - 81 - 91

A. 20 - 10 - 100 - 120

B. 12 - 2 - 4 - 2

C. 17 - 7 - 49 - 39

D. 16 - 6 - 36 - 46



Q13 Pattern Based

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

NQS-PSU
KNP-MPR

A. UXZ-WZB



B. UXZ-VZA

C. UWX-WZB

D. UWX-VYA

Q14 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. OW - XH

B. KS - TD

C. IQ - RB

D. RA - TY

**Q15 Position Pattern**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. QSV

B. NPS

C. CEG



D. FHK

Q16 Position from Left/Right

In a row of people all facing the north, Hira is 12th from the left end. Tisha is 22nd from the left end. Tisha is exactly between Hira and Kashish. If Kashish is 13th from the right end of the line, how many people are there in the row?

A. 44



B. 41

C. 42

D. 43

Q17 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word DOSAGE is arranged in the English alphabetical order?

A. Three

B. One

C. Two

D. None

**Q18 Rearrangement of Letters**

The position(s) of how many letters will remain unchanged if each letter in the word FIGHTER is arranged in the English alphabetical order?

A. Four

B. Two



C. Three

D. One

Q19 Single Row (One-way/Both-way)

Seven students, I, J, K, P, Q, R and Z, are sitting in a row, facing north.

Z sits to the immediate left of K. No one sits to the left of P. Only four people sit between P and I. Only three people sit to the right of J. Q is not an immediate neighbor of J.

Who sits at the rightmost end of the row?

A. I

B. Z

C. Q



D. P

Q20 Single Row (One-way/Both-way)

Six friends E, F, G, H, L and M are sitting in a straight line, facing north. Only E sits to the left of G. Only three people sit between E and L. Only H sits between G and F, and G is not an immediate neighbor of L. How many people sit between M and G?

A. Four

B. One

C. Two

D. Three



Q21 Symbol Based

In a certain code language,
 A + B means 'A is the father of B',
 A @ B means 'A is the wife of B',
 A < B means 'A is the brother of B',
 and A # B means 'A is mother of B'.

How is I related to X if 'I # J + O < P @ X'?

- A. Wife's father's brother
- B. Wife's father's mother ☒
- C. Wife's father's sister
- D. Wife's mother

Q22 Symbol Included Pattern

Refer to the following letter, number, symbol series and answer the question. All numbers are single digit numbers only. Counting to be done from left to right only.

(Left) 3 H 7 \$ R @ 9 T % 4 K 2 & M ! 6 P 9 * D # (Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a number?

- A. None
- B. Two
- C. Three ☒
- D. One

Q23 Symbol Included Pattern

Refer to the given number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) £ 9 \$ £ £ % € 6 3 3 1 8 & 3 © # * 7 * & 3 & (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- A. 3
- B. 1 ☒
- C. 2
- D. 0

Q24 Symbol Substitution

If 'P' stands for '-' and 'Q' stands for 'x', what will come in place of the question mark (?) in the following equation?

$$25 Q 3 P 10 = ?$$

- A. 65 ☒
- B. 70
- C. 60
- D. 75

Q25 Symbol Substitution

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of question mark (?) in the following equation?

$$8 B 5 D 8 A 2 C 4 = ?$$

- A. 43
- B. 40 ☒
- C. 42
- D. 41

Q26 Symbol Substitution

If 'F' stands for 'x', 'G' stands for '÷', 'H' stands for '+', and 'I' stands for '-', what will come in place of the question mark '?' in the following equation?

$$8 F 2 G 4 H 5 I 3 = ?$$

- A. 9
- B. 8
- C. 6 ☒
- D. 10



Q27 Two Statement Sufficiency

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both the statements and select the appropriate answer.

Q. Avi, Bina, Cara, Dola and Emma are sitting around a circular table, facing the centre. Who sits to the immediate right of Emma?

(I) Avi sits to the immediate left of Cara. Dola sits third to the right of Cara.

(II) Bina sits second to the right of Cara. Dola is the immediate neighbour of Avi and Bina.

- A.** Data in statement II alone is sufficient to answer the question while data in statement I is not. ☒
- B.** Data in statements I and II together are NOT sufficient to answer the question.
- C.** Data in statement I alone is sufficient to answer the question while data in statement II is not.
- D.** Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q28 Two Statement Syllogism

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All trees are cranes. All cranes are babies.

Conclusions:

(I) Some babies are cranes.

(II) All trees are babies.

- A.** Only conclusion (I) follows.
- B.** Only conclusion (II) follows.
- C.** Neither conclusion (I) nor (II) follows.
- D.** Both conclusions (I) and (II) follow. ☒

Q29 Word Based Problems

This question is based on the given words.

LIP MAT CAN LAD

In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear?

A. 3 ☒

B. 4

C. 2

D. 1

Q30 Word Based Problems

This question is based on the given words.

DOG ASK COD FIT

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many group of letters thus formed will have no vowel?

A. One ☒

B. None

C. Two

D. Three



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Day of Week Assignment

Each of P, Q, R, S, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Q has an exam on Wednesday. Exactly 3 people have an exam between Q and U. V has an exam immediately after R and P has an exam immediately before R. Only 3 people have an exam between T and R.

How many people have an exam between Q and V?

A. 3

B. 2



C. 1

D. 4

Q2 Day of Week Assignment

Each of P, Q, R, S, T, U and V has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Q has an exam on Saturday. Only 4 people have an exam between V and P, neither of whom has an exam on Monday. U has an exam immediately after T and R has an exam immediately before T. P has an exam after U.

Who has an exam on Monday?

A. S



B. T

C. P

D. U

Q3 Facing Center

Eight friends Varsha, Anil, Neetu, Pawan, Rajesh, Mahima, Sunil and Om are sitting around a circular table, facing the centre. Neetu sits third to the right of Om. Varsha sits to the immediate left of Neetu. Rajesh sits second to the right of Varsha. Sunil is an immediate neighbour of Rajesh and Anil. Pawan is not an immediate neighbour of Varsha. How many people sit between Pawan and Varsha when counted from the left of Pawan?

A. One

B. Three

C. Four



D. Two

Q4 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre.

Only two people sit between B and A, when counted from the right of B. Only three people sit between D and C, when counted from the right of C. A sits to the immediate right of C. E sits to the immediate right of F.

How many people sit between A and D, when counted from the right of A?

A. 4

B. 1

C. 2



D. 3

Q5 Group Pattern

What should come in place of ? in the given series based on the English alphabetical order?

LHCB, JGFF, ?, FELN, DDOR

A. HFJI

B. HEIJ

C. HFIJ



D. HIFJ

Q6 Letter Series

Refer to the following letter series and answer the question that follows. Counting to be done from left to right.

(Left) G Y I E N S I E G Z B I X V Y A U S Y U U T (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 5



B. 6

C. 4

D. 3

Q7 Letter to Number Mapping

In a certain code language, 'AUTO' is coded as '5271' and 'TOAN' is coded as '4517'. What is the code for 'N' in the given code language?

A. 7

B. 5

C. 4



D. 2



Q8 Letter to Number Mapping

In a certain code language, 'FAST' is coded as '1457' and 'FEAT' is coded as '5874'. What is the code for 'E' in the given code language?

A. 1

B. 8



C. 4

D. 5

Q9 Letters Between Two Positions

This question is based on the following words.

(LEFT) SET LAP MUD DIG (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

A. 6

B. 5

C. 3

D. 4

**Q10 Mathematical Operations**

This question is based on the five, three-digit numbers given below.

(Left) 642, 953, 731, 284, 476 (Right).

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the result if the first digit of the highest number is subtracted from the third digit of the lowest number?

A. 2

B. -5



C. -3

D. 7

Q11 Mathematical Operations

If 1 is subtracted from each odd digit and 2 is subtracted from each even digit in the number 537648547697, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

A. 8

B. 10



C. 9

D. 11

Q12 Number Series

Refer to the following series and answer the question that follows. Counting to be done from left to right. (Note: All numbers are single-digit numbers only.)

(Left) 2 5 8 3 1 4 7 6 9 2 4 5 8 3 7 1 2 6 5 4 3 8 7 9 (Right)

How many even numbers are there, each of which is immediately preceded by an odd number and immediately followed by an odd number?

A. More than three



B. Two

C. Three

D. One

Q13 Number Series

Refer to the following series and answer the question. Counting to be done from left to right only. (Note: All numbers are single digit numbers only)

(Left)

7 2 9 9 9 9 9 6 1 7 9 8 6 6 3 3 5 8 2 8 5 1 9 7
9 2 4 7 2 3 (Right)

How many such even digits are there each of the which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square)

A. Two

B. Three

C. One



D. Four

Q14 Operation Based

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE – A two/three-digit number cannot be broken into individual digits for operations; e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two-digit number cannot be broken into individual digits.)

19 - 53 - 97 - 121;

27 - 61 - 105 - 129

A. 58 - 92 - 116 - 130

B. 49 - 83 - 117 - 151

C. 67 - 121 - 155 - 179

D. 35 - 69 - 113 - 137



Q15 Operation Based

38 is related to 17 following a certain logic. Following the same logic, 52 is related to 24. To which of the following is 26 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 8

B. 15

C. 7

D. 11

**Q16 Operator Swap**

What will come in place of the question mark (?) in the following equation if '÷' and '-' are interchanged and 'x' and '+' are interchanged?

$$36 \div 6 - 3 \times 5 + 7 = ?$$

A. 69



B. 84

C. 46

D. 58

Q17 Operator Swap

If + means -, - means x, x means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$91 - 2 \div 180 \times 18 + 12 = ?$$

A. 180



B. 176

C. 184

D. 189

Q18 Pattern Based

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

HLL : JHK

MKI : OGH

A. GRQ : INO

B. CXL : ESK

C. GPR : ILQ



D. JLT : LHR

Q19 Pattern Based

REAG is related to FSOU in a certain way based on the English alphabetical order. In the same way, VIEK is related to JWSY. To which of the following options is LYUA related, following the same logic?

A. ZMKI

B. ZIMO

C. ZMIO



D. ZOMI

Q20 Pattern Based

RVUX is related to BFEH in a certain way based on the English alphabetical order. In the same way, WAZC is related to GKJM. To which of the following is FJIL related, following the same logic?

A. PURX

B. PTRV

C. PTSV



D. PSRV

Q21 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. NS-VA

B. BG-IQ



C. JO-RW

D. YD-GL

Q22 Position Pattern

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

A. DGJ

B. MPU



C. HKN

D. LOR



Q23 Position from Left/Right

Raj ranked 25th from the top and 16th from the bottom in his class. How many students are there in his class?

- A. 41
- B. 40
- C. 42
- D. 39

**Q24 Rearrangement of Letters**

Each letter in the word FRIEND is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. Which letter is second from the left in the new group of letters thus formed?

- A. H
- B. C
- C. E
- D. D

**Q25 Rearrangement of Letters**

If the word "DISPLAY" is altered by replacing each vowel with the next letter and each consonant with the previous letter in the English alphabetical order, which letter comes first alphabetically in the new sequence formed?

- A. J
- B. K
- C. X
- D. B

**Q26 Symbol Based**

In a certain code language,
A + B means 'A is the son of B',
A - B means 'A is the brother of B',
A @ B means 'A is the wife of B' and
A % B means 'A is the father of B'.
Based on the above, how is S related to N if 'S + A % E @ R - N'?

- A. Brother's wife's father
- B. Brother's wife's brother
- C. Father
- D. Brother

**Q27 Symbol Based**

In a certain code language,
A # B means 'A is mother of B',
A + B means 'A is the father of B',
A @ B means 'A is the wife of B',
and A < B means 'A is the brother of B'.

How is E related to P if 'E + F < K # L @ P'?

- A. Wife's brother
- B. Wife's mother's mother
- C. Wife's mother's brother
- D. Wife's mother's father

**Q28 Two Statement Sufficiency**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 trees, L, M, O, P and Q each having a different height, which tree is the shortest?

(I) P is taller than only two trees. O is shorter than P and Q is shorter than O

(II) L is taller than M

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question.
- C. Both statements I and II together are NOT sufficient to answer the question
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

**Q29 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All rugs are perfumes. All boots are perfumes.

Conclusion (I) : Some rugs are boots.

Conclusion (II) : Some perfumes are boots.

- A. Only conclusion (I) follows
- B. Only conclusion (II) follows
- C. Both conclusions (I) and (II) follow
- D. Neither conclusion (I) nor (II) follows



Q30 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

7 10 18 33 57 ?

A. 90

B. 92



C. 93

D. 95



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General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. B lives on floor numbered 5. A lives on a floor above B. Only U lives below W. C lives on an even numbered floor. How many people live below V?

- A. Three
- B. Four
- C. Two
- D. One



Q2 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. C lives on floor numbered 4. Only two people live between C and V. Only B lives between C and A. W lives immediately below C. Who lives on floor numbered 2?

- A. U
- B. A
- C. W
- D. B



Q3 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GJM, ILO, KNQ, MPS, ?

- A. RUO
- B. ORU
- C. ROU
- D. OUR



Q4 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: HOW :: DKS : %

- A. # = AHP , % = KRZ
- B. # = HHP , % = KRZ
- C. # = AHP , % = LRZ
- D. # = AHP , % = KRI



Q5 Letter Analogy

ZWVY is related to CZYB in a certain way based on the English alphabetical order. In the same way, QNMP is related to TQPS. To which of the following is TQPS related, following the same logic?

- A. WTRV
- B. WSRV
- C. WTSV
- D. WURZ



Q6 Letter Analogy

FJDG is related to KOIL in a certain way based on the English alphabetical order. In the same way, IMGJ is related to NRLO. To which of the following is LPJM related, following the same logic?

- A. QUOR
- B. QURO
- C. UQOR
- D. UQRO



Q7 Letter Series

Refer to the following letter series and answer the question that follows. Counting to done from left to right only.

(Left) N V U H J K J I V A Y E D V B L U H W A I G (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. 5
- B. 7
- C. 6
- D. 4



Q8 Letters Between Two Positions

This question is based on the following words.

(LEFT) BOG FRY MAP OPT (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

- A. 23
- B. 27
- C. 25
- D. 20



Q9 Mathematical Operations

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number **4372651**, which of the following digits will be fourth from the left in the new number thus formed?

A. 0

B. 4



C. 2

D. 6

Q10 Mathematical Operations

This question is based on the five, three-digit numbers given below.

356 742 821 415 697

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the result if the second digit of the highest number is multiplied by the first digit of the lowest number?

A. 16

B. 14

C. 12

D. 6

**Q11 Missing Number**

What should come in place of the question mark (?) in the given series?

18 31 44 57 70 ?

A. 88

B. 79

C. 83



D. 85

Q12 Multiple Turns

Kunal starts from Point A and drives 21 km towards South. He then takes a left turn, drives 22 km, turns left and drives 23 km. He then takes a left turn and drives 27 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km towards east

B. 5 km towards east



C. 4 km towards east

D. 3 km towards east

Q13 Operation Based

12 is related to 143 following a certain logic. Following the same logic, 7 is related to 48. To which of the following is 9 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 101

B. 80



C. 72

D. 99

Q14 Operation Based

10 is related to 98 following a certain logic. Following the same logic, 9 is related to 79. To which of the following is 13 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 147

B. 167



C. 201

D. 172

Q15 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. HC–YT

B. ZU–PN



C. WR–NI

D. QL–HC



Q16 Position Pattern

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. YCG

B. OSW

C. QUY

D. FKN

**Q17 Position from Left/Right**

Fahad ranked 65th from the top and 34th from the bottom in his class. How many students are there in his class?

A. 98



B. 97

C. 96

D. 99

Q18 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word DANGERS is arranged in the English alphabetical order?

A. One

B. None

C. Three



D. Two

Q19 Rearrangement of Letters

Each letter in the word CUDGELS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is first from the left and the one which is second from the right in the new letter-cluster thus formed?

A. Fifteen



B. Eighteen

C. Fourteen

D. Seventeen

Q20 Single Row (One-way/Both-way)

In a row, five friends P, Q, R, S and T are standing all facing north. R is at the extreme left end and is an immediate neighbour of P. Only S is between P and Q. Who is standing second to the left of T?

A. S



B. P

C. Q

D. R

Q21 Single Row (One-way/Both-way)

Seven friends Q, R, S, T, U, V and W are sitting in a straight line, facing the north. V sits third to the left of T. U sits third to the right of S. Only one person sits to the right of T. R does not sit on any of the extreme ends. Q sits to the immediate left of S. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

A. U and W



B. R and U

C. S and V

D. Q and S

Q22 Symbol Based

In a certain code language,
A + B means 'A is the husband of B'
A - B means 'A is the sister of B'
A x B means 'A is the mother of B'
A ÷ B means 'A is the brother of B'

Based on the above, how is F related to J if 'F ÷ G + H x I - J'?

A. Father's brother



B. Mother's father

C. Sister's husband

D. Brother



Q23 Symbol Based

In a certain code language,
A < B means 'A is the brother of B',
A # B means 'A is mother of B',
A + B means 'A is the father of B',
and A @ B means 'A is the wife of B'.

How is P related to Y if 'P # Q < R @ X + Y'?

A. Mother's mother



B. Mother's brother

C. Mother's sister

D. Mother's father

Q24 Symbol Included Pattern

Refer to the following letter, number, and symbol series and answer the question. (Counting to be done from left to right only) (All numbers are single-digit numbers only)
(Left) Y A 7 & % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right)
How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a number?

A. None

B. One



C. Three

D. Two

Q25 Symbol Included Pattern

Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.
(Left) X & Y \$ Z Ω P # Q % R @ S £ * T U \$ V Ω W (Right)
How many such symbols are there each of which are immediately preceded by a letter and also immediately followed by a symbol?

A. One



B. None

C. Three

D. Two

Q26 Symbol Substitution

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, 'x' and '÷' are interchanged and '4' and '8' are interchanged? (Note: Consider the entire number while interchanging; do not interchange individual digits - part of larger numbers.)

$$24 \times 8 - 18 \div 4 + 5 = ?$$

A. 148

B. 154

C. 143

D. 145

**Q27 Symbol Substitution**

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged, 'x' and '÷' are interchanged and '2' and '4' are interchanged?

$$16 + 8 \times 4 \div 2 - 5 = ?$$

A. 28

B. 2

C. 14

D. 5

**Q28 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some laptops are desktops. Some desktops are computers.

Conclusion (I) : All laptops are computers.

Conclusion (II) : No desktop is a laptop.

A. Neither conclusion I nor II follows



B. Only conclusion II follows

C. Both conclusions I and II follow

D. Only conclusion I follows



Q29 Two Statement Syllogism

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some slippers are chairs.

All chairs are mats.

Conclusion (I) : Some slippers are mats.

Conclusion (II) : All mats are chairs.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

**Q30 Word to Code Mapping**

In a certain code language, 'poem river judge' is coded as 'yq yf yn' and 'judge skin thing' is coded as 'yf ra xd'. How is 'judge' coded in the given language?

A. yq

B. yn

C. ra

D. yf



General Intelligence & Reasoning

30 Questions • Answer Key

Q1 Facing Center

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between G and F when counted from the left of F. E sits third to the right of D. C sits third to the left of A. E sits to the immediate right of C. B is not an immediate neighbour of C. How many people sit between E and G when counted from the right of G?

A. 2

B. 3

C. 1

D. 4

Q2 Floor/Building Arrangement

A, B, C, U, V and W live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. W lives on the topmost floor. Only three people live between W and B. A lives on a floor below B. V lives on an even numbered floor. C lives on an odd numbered floor but not on floor number 5. How many people live between U and B?

A. Two

B. Four

C. Three

D. One

Q3 Floor/Building Arrangement

G, H, J, K, L and P live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

H lives on floor numbered 5. G lives on a floor above H. Only P lives below L. J lives on an even numbered floor. How many people live below K?

A. Four

B. Two

C. One

D. Three

Q4 Floor/Building Arrangement

Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order. Only L is kept above Q. Only I is kept between Q and S. Only K is kept below J. How many boxes are kept between R and K?

A. Two

B. One

C. Three

D. Four

Q5 Group Pattern

What should come in place of the question mark (?) in the given series based on the English alphabetical order?
JTS, SCB, BLK, KUT, ?

A. DCT

B. CDT

C. TDC

D. TCD

Q6 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: VRO :: CYV : %

A. # = FBX , % = RNK

B. # = FDA , % = SOL

C. # = FBY , % = SOL

D. # = FBY , % = SNM

Q7 Letter Analogy

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: BGJ :: NSV : %

A. # = EJM , % = KPS

B. # = EUN , % = OQS

C. # = FHM , % = KOV

D. # = EPM , % = QZS



Q8 Letter Series

Refer to the following letter series and answer the question (Counting to be done from left to right only).
(Left) K I F R I Z O K U F U I I F U K Y X A B (Right)
How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. Five

B. Seven

C. Four

D. Six

**Q9 Letter to Number Mapping**

In a certain code language, 'SOLE' is coded as '8921' and 'LONE' is coded as '7281'. What is the code for 'N' in the given code language?

A. 7



B. 9

C. 1

D. 2

Q10 Letters Between Two Positions

This question is based on the following words.
(LEFT) BET YOU ZAP FRY (RIGHT)

How many letters are there between the second letter of the second word from the right and the third letter of the second word from the left as per the English alphabetical order?

A. 19



B. 15

C. 12

D. 22

Q11 Letters Between Two Positions

This question is based on the following words.
(LEFT) ION EBB PET GET (RIGHT)

How many letters are there between the third letter of the third word from the right and the first letter of the first word from the left as per the English alphabetical order?

A. 6



B. 7

C. 5

D. 8

Q12 Linear Family Relations

J is the mother of U. U is the sister of N. D is the father of R. R is the son of N. How is J related to R?

A. Mother's sister

B. Mother

C. Mother's mother



D. Sister

Q13 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 81527236, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 4

B. 10



C. 8

D. 6

Q14 Mathematical Operations

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 18243564, what will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

A. 4



B. 12

C. 8

D. 10

Q15 Multiple Turns

Sam starts from Point A and drives 9 km towards West. He then takes a left turn, drives 7 km, turns left and drives 11 km. He then takes a left turn and drives 13 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km towards South

B. 6 km towards South



C. 9 km towards South

D. 7 km towards South



Q16 Number Series

Refer to the following series and answer the question that follows. (All numbers are single-digit numbers only.)
(Counting to be done from left to right only.)

(Left) 4 2 4 5 2 5 3 6 2 3 3 7 4 1 5 1 5 7 8 7 7 9 8 4 3 6 9
(Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. 5



B. 2

C. 4

D. 3

Q17 Operation Based

31 is related to 122 following a certain logic. Following the same logic, 24 is related to 94. To which of the following is 19 related, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 78

B. 64

C. 74



D. 70

Q18 Operation Based

14 is related to 195 following a certain logic. Following the same logic, 11 is related to 120. To which of the following is 15 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 234

B. 240

C. 324

D. 224

**Q19 Pattern Based**

Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: XZY :: QSR : %

A. # = ZBA , % = OPQ

B. # = ZBZ , % = NPO

C. # = ZBA , % = OQP



D. # = ZDC , % = OQP

Q20 Position Pattern

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. HN:OT



B. MR:TY

C. UZ:BG

D. PU:WB

Q21 Position Pattern

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KOS

B. OUA



C. AEI

D. CGK

Q22 Rearrangement of Letters

The position(s) of how many letters will remain unchanged if each letter in the word STICKER is arranged in the English alphabetical order?

A. None

B. One



C. Two

D. Three



Q23 Rearrangement of Letters

Each letter in the word VERDANT is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is third from the right in the new letter-cluster thus formed?

- A. Ten
- B. Twelve
- C. Eleven
- D. Thirteen

**Q24 Single Row (One-way/Both-way)**

Seven friends J, K, L, M, N, O and P are sitting in a straight line, facing north. K sits third to the right of L. O is an immediate neighbor of K and M. L is an immediate neighbor of J and P. N sits second to the left of O. P does not sit on any of the extreme ends. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

- A. L and P
- B. P and N
- C. N and O
- D. J and L

**Q25 Symbol Based**

In a certain code language,
A @ B means 'A is the mother of B'
A # B means 'A is the brother of B'
A - B means 'A is the wife of B'
A + B means 'A is the father of B'
Based on the above, how is C related to B if 'C @ R # U - M + B'?

- A. Father
- B. Mother's sister
- C. Mother
- D. Mother's mother

**Q26 Symbol Included Pattern**

Refer to the following letter, number, symbol series and answer the question. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.) (Left) Y A & 7 % G D 4 @ & K 6 T E 5 # 3 2 * R Z (Right) How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a letter?

- A. None
- B. One
- C. Two
- D. Three

**Q27 Symbol Substitution**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?
 $9 A 3 C 5 B 6 D 10 = ?$

- A. 21
- B. 23
- C. 27
- D. 25

**Q28 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some hands are legs. No leg is a face.

Conclusion (I) : All faces are legs.

Conclusion (II) : No leg is a hand.

- A. Only conclusion II follows
- B. Only conclusion I follows
- C. Both conclusions I and II follow
- D. Neither conclusion I nor II follows

**Q29 Two Statement Syllogism**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All biscuits are wafers. No biscuit is a candy.

Conclusion (I) : All candies are biscuits.

Conclusion (II) : No wafer is a biscuit.

- A. Only conclusion II follows
- B. Neither conclusion I nor II follows
- C. Both conclusions I and II follow
- D. Only conclusion I follows



Q30 Missing Number

Which of the following options should come in place of the question mark (?) in the given series?

90 70 52 36 22 ?

A. 14

B. 8

C. 12

D. 10

