

Test-04

Sampurna 2.0 January 2025

Quantitative Aptitude

- Q1** I stand with my right hand extended side-ways towards the South. Towards which direction will the back be?
 (A) North (B) West
 (C) East (D) South
- Q2** P, Q, R, S and T are seated in a line facing west. R is sitting at north end and S is sitting at south end. T is neighbor of R and Q. P and Q are seated together, then who is sitting the middle?
 (A) P (B) Q
 (C) R (D) S
- Q3** A man starts from a point, walks 4 miles towards north and turns left and walks 6 miles, turns right and walks for 3 miles and again turns right and walks 4 miles and takes rest for 30 minutes. He gets up and walks straight 2 miles in the same direction and turns right and walks one mile. What is the direction he is facing?
 (A) North (B) South
 (C) South-East (D) West
- Q4** A walks 3 km northward and then he turns left and goes 2 km. He again turns left and goes 3 km. He turns right and walks straight. In which direction is he walking now?
 (A) East (B) West
 (C) North (D) South
- Q5** Sanjay's mother said to him, "My brother has a son whose daughter is Tina." How is Tina related to Sanjay?
 (A) Cousin (B) Sister
 (C) Aunt (D) Niece
- Q6** Y is in the east of X which is in the north of Z. If P is in the south of Z, then in which direction of Y is P?
 (A) North (B) South
 (C) South-East (D) South-West
- Q7** Vijay says, "Ananda's mother is the only daughter of my mother". How is Ananda relation to Vijay?
 (A) Brother (B) Father
 (C) Nephew (D) Grandfather
- Q8** There are five boys A, B, C, D and E who stays in the same locality. A's house is to the west of B's house and B's house is to the north of C's house. If D's house is to the east of C's house, then with respect to A, D's house is in _____ direction.
 (A) North - West (B) South - East
 (C) North - East (D) South
- Q9** Five boys A, B, C, D and E are sitting in a row. A is to the right of B and E is to the left of B but to the right of C. A is to the left of D. Who is second from the left end?
 (A) D (B) A
 (C) E (D) B
- Q10** Six persons A, B, C, D, E and F are standing in a circle. B is between C and D and A is between E and C. F is to the right of D. Who is between A and F?
 (A) B (B) C
 (C) D (D) E
- Q11** Pointing to a photograph Vikas said "She is the daughter of my grandfather's only son". How is



the lady in the photograph related to Vikas in the photograph?

- (A) Father (B) Brother
(C) Sister (D) Mother

Q12 Six friends A, B, C, D, E and F are sitting in a row facing towards North. C is sitting between A and E. D is not at the end. B is sitting at immediate right of E. F is not at the right end but D is sitting at 3rd left of E.

Who is at the immediate left of C?

- (A) A
(B) E
(C) Either E or A
(D) Cannot be determined

Q13 If a person moves 4 km towards the west, then turns right and moves 3 km and then turns right and moves 6 km, which is the direction in which he is now moving ?

- (A) East (B) West
(C) North (D) South

Q14 There are five different houses, A to E, in a row. A is to the right of B and E is to the left of C and right of A, B is to the right of D. Which of the houses is in the middle?

- (A) A (B) B
(C) C (D) D

Q15 One morning, after sunrise, Vikram and Shailesh were standing in a lawn with their backs towards each other. Vikram's shadow fell exactly towards left hand side. Which direction was Shailesh facing?

- (A) South - West (B) West
(C) South (D) East - South

Q16 M is the son of P. Q is the grand-daughter of O, who is the husband of P. How is M related to O?

- (A) Son (B) Daughter
(C) Mother (D) Father

Q17 A's mother is sister of B and has a daughter C. How can A be related to B from among the following?

- (A) Niece (B) Uncle
(C) Daughter (D) Father

Q18 Laxman went 15 km to North then he turned West and covered 10 km. Then he turned South and covered 5 km finally turning to East he covered 10 km. In which direction is he moving now?

- (A) East (B) West
(C) North (D) South

Q19 Five senior citizens are living in a Multi-storeyed building. Mr. Manu lives in a flat above Mr. Ashokan, Mr. Lokesh in a flat below Mr. Gaurav, Mr. Ashokan lives in a flat below Mr. Gaurav and Mr. Rakesh lives in a flat below Mr. Lokesh. Who lives in the top most flat?

- (A) Mr. Lokesh (B) Mr. Gaurav
(C) Mr. Manu (D) Mr. Rakesh

Q20 Vicky introduces John as the son of the only brother of his father's wife. How is Vicky related to John?

- (A) Cousin (B) Son
(C) Brother (D) Uncle

Q21 Four Indian A, B, C and D and four Chinese E, F, G and H are sitting in a circle around a table facing the each other in the conference. No two Indians or Chinese are sitting side by side, C who is sitting between G and E is facing D, F is between D and A and facing G, H is to the left of B. Who is sitting left to A?

- (A) E (B) F
(C) G (D) H

Q22 Five boys A, B, C, D, E are sitting in a row. A is to the right of B and E is to the left of B but to the right of C. A is to the left of D. Who is second



from the left end?

- (A) D (B) A
(C) E (D) B

Q23 Suresh starts from a point, walks 2 miles towards south, turns right and walks $1\frac{1}{2}$ miles, turns left and walks $\frac{1}{2}$ miles and then he turns back. What is the direction he is facing now?

- (A) East (B) West
(C) South (D) North

Q24 P is the father of T. T is the daughter of M. M is the daughter of K. What is P to K ?

- (A) Father (B) Father-in-law
(C) Brother (D) Son-in-law

Q25 I stand with my right hand extended side-ways towards South. Towards which direction will my back be?

- (A) East (B) South
(C) North (D) West

Q26 Six persons A, B, C, D, E and F are sitting in two rows with three persons in each row. Both rows are in front of each other. E is not at the end of the any row and D is second left to the F, C is neighbour of E and diagonally opposite to D. If B is neighbour F who is in front of C, then who is sitting diagonally to F?

- (A) C (B) E
(C) A (D) D

Q27 Ms. N walks 10 km towards North from there she walks 6 km towards South. Then she walks 3 km towards East. How far and in which direction is she with reference to her starting point?

- (A) 4 km West
(B) 6 km West
(C) 3 km West
(D) 5 km North - East

Q28 Six friends P, Q, R, S, T and U are sitting around

the hexagonal table each at one corner and are facing the centre of the hexagonal. P is second to the left of U. Q is neighbour of R and S. T is second to the left of S. Which one is sitting opposite to S?

- (A) R (B) P
(C) Q (D) T

Q29 Rahul and Robin are brothers. Promod is Robin's father. Sheela is Pramod's sister. Prema is Pramod's niece. Shubha is Sheela's grand-daughter. How is Rahul related to Shubha?

- (A) Brother (B) Cousin
(C) Uncle (D) Nephew

Q30 Five students P, Q, R, S, and T, are positioned in a row facing North. Among them, S is seated between T and Q, and Q is immediately to the left of R. P is immediately to the left of T. Who is positioned at the second right?

- (A) S (B) T
(C) R (D) Q

Q31 Six children A, B, C, D, E and F are standing in a row. B is between F and D. E is between A and C. A does not stand next to F or D. C does not stand next to D. F is between which of the following pairs of children?

- (A) B and E (B) B and C
(C) B and D (D) B and A

Q32 Preeti has a son, named Arun. Ram is Preeti's brother. Neeta too has a daughter named Reema. Neeta is Ram's sister. What is Arun's relationship to Reema ?

- (A) Brother (B) Nephew
(C) Cousin (D) Uncle

Q33 A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C ?

- (A) Father (B) Brother
(C) Uncle (D) Son



- Q34** Five girls are sitting on a bench to be photographed. Seema is to the left of Rani and to the right of Bindu. Mary is to the right of Rani. Reeta is between Rani and Mary. Who is sitting immediate right to Reeta?
 (A) Seema (B) Rani
 (C) Bindu (D) Mary
- Q35** One day Ram left home and bi-cycled 10 km southwards, turned right and travelled 5 km and turned right and went 10 km he turned left and went 10 km. How many kilometers does he has to cycle to reach his home straight?
 (A) 10 (B) 15
 (C) 20 (D) 25
- Q36** Suresh's sister is the wife of Ram, Ram is Rani's brother. Ram's father is Madhur, Sheetal is Ram's grandmother, Rema is sheetal's daughter –in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh?
 (A) Brother-in-law (B) Son
 (C) Brother (D) Nephew
- Q37** A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting between?
 (A) C and D (B) D and E
 (C) B and C (D) B and D
- Q38** Based on the statements given below, find out who is the uncle of P ?
 (i) K is the brother of J.
 (ii) M is the sister of K.
 (iii) P is the brother of N.
 (iv) N is the daughter of J.
 (A) K (B) J
 (C) N (D) M
- Q39** Pointing to a lady in a photograph, Meera said, "Her father's only son's wife is my mother-in-law". How is Meera's husband related to that lady in the photo ?
 (A) Nephew (B) Uncle
 (C) Son (D) Father
- Q40** Ravi is the brother of Anu. Sita is the sister of Mohan. Anu is the daughter of Sita. How is Ravi related to Sita?
 (A) Nephew (B) Father
 (C) Son (D) Brother
- Q41** Five friends P, Q, R, S and T are sitting in a row facing North. Here, S is between T and Q and Q is to the immediate left of R. P is to the immediate left of T. Who is in the middle?
 (A) S (B) T
 (C) Q (D) R
- Q42** A and B start moving towards each other from two places 200 m apart. After walking 60 m, B turns left and goes 20 m then he turns right and goes 40 m. He then turns right again and comes back to the road on which he had started walking. If A and B walk with the same speed, what is the distance between them now?
 (A) 80 m (B) 70 m
 (C) 40 m (D) 60 m
- Q43** Seeta starts from a point, walks 2 km towards north, turns towards her right and walks 2 km, turns right again and walks. What is the direction she is facing now?
 (A) North (B) South
 (C) West (D) East
- Q44** Maya introduces Rajesh as the son of the only daughter of her mother's brother. How is Maya related to Rajesh?
 (A) Cousin (B) Sister
 (C) Aunt (D) Niece



Q45 Six individuals named A, B, C, D, E, and F are seated in front of one another in two rows. Each row has three people. The following statements provide their seating arrangement:

1. A is seated between D and F and is facing North.
2. B, who is to the immediate left of E, is facing F.
3. C is seated to the immediate right of E.

Who is sitting in front of C?

- (A) E (B) B
(C) D (D) C

Q46 Six children A, B, C, D, E and F are sitting in a row. B is between F and D. E is between A and C. However, A does not sit next to F or D. C does not sit next to D. Then, F is sitting between & ?

- (A) B and C (B) E and C
(C) B and D (D) None

Q47 A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. What direction is he facing now?

- (A) South - West (B) North - West
(C) West (D) South

Q48 If Mohan travels towards North from his house

them turn to left, then to South covering equal distance. In each direction to reach Sohan's house. In which direction Mohan's house is from Sohan's house now ?

- (A) East (B) South
(C) North (D) West

Q49 Study the following information carefully and answer the questions given below.

Six friends A, B, C, D, E and F are sitting in a row facing towards North. C is sitting between A and E. D is not at the end. B is sitting at immediate right of E. F is not at the right end but D is sitting at 3rd left of E.

How many persons are there to the right of D?

- (A) One (B) Two
(C) Three (D) Four

Q50 Read the following information and answer the questions given below:

Anita is the niece of Prateek's mother. Anita's mother is Prateek's aunt. Rohan is Anita's mother's brother. Rohan's mother is Anita's grandmother. From this information, deduce the relationship between.

Rohan is Prateek's _____ .

- (A) Brother
(B) Brother-in-law
(C) Uncle
(D) Cousin Brothers



Answer Key

Q1 (B)
Q2 (B)
Q3 (B)
Q4 (B)
Q5 (D)
Q6 (D)
Q7 (C)
Q8 (B)
Q9 (C)
Q10 (D)
Q11 (C)
Q12 (A)
Q13 (A)
Q14 (A)
Q15 (C)
Q16 (A)
Q17 (A)
Q18 (A)
Q19 (C)
Q20 (A)
Q21 (A)
Q22 (C)
Q23 (D)
Q24 (D)
Q25 (D)

Q26 (C)
Q27 (D)
Q28 (B)
Q29 (C)
Q30 (D)
Q31 (B)
Q32 (C)
Q33 (C)
Q34 (D)
Q35 (B)
Q36 (D)
Q37 (C)
Q38 (A)
Q39 (A)
Q40 (C)
Q41 (A)
Q42 (C)
Q43 (B)
Q44 (C)
Q45 (C)
Q46 (A)
Q47 (A)
Q48 (A)
Q49 (D)
Q50 (C)

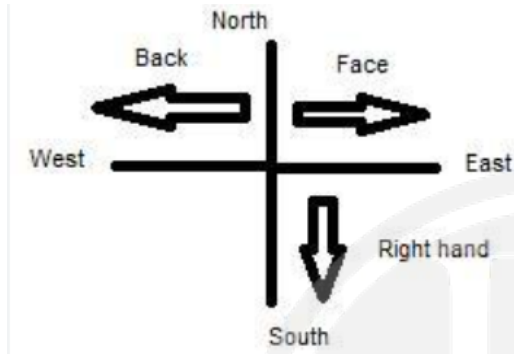


Hints & Solutions

Q1 Text Solution:

Since, the right hand is extended side-ways towards the South.

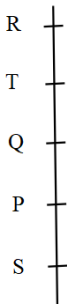
Thus, the below diagram shows the correct representation of the given situation.



Therefore, the back will be in the West direction. Hence, the correct answer is option (B) i.e. West.

Q2 Text Solution:

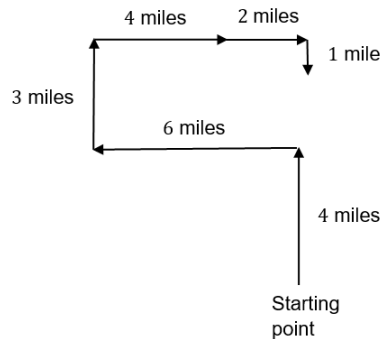
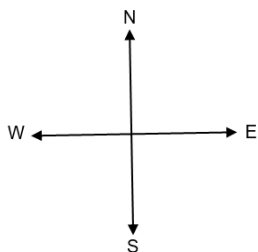
According to the information, we have



Therefore, Q is sitting in the middle.

Q3 Text Solution:

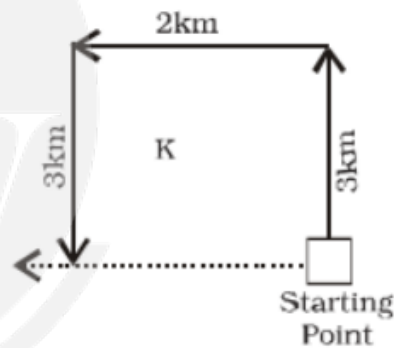
Following the directions as per the question, we get



Therefore, he is facing in the South direction. Hence, the correct option is (B) i.e. South.

Q4 Text Solution:

Following the directions as per the question, we get



Therefore, A is in the west direction. Hence, the correct option is (B) i.e. West.

Q5 Text Solution:

In the given scenario, Sanjay's mother states that her brother has a son whose daughter is Tina. This means that Tina is the daughter of Sanjay's cousin.

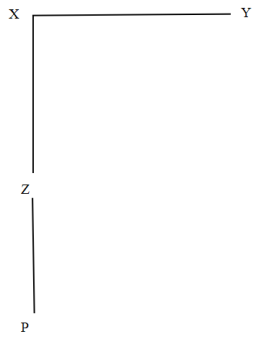
Therefore, Tina is Sanjay's niece.

Hence, the correct option is (D) i.e., Niece.

Q6 Text Solution:

According to the information given, we have





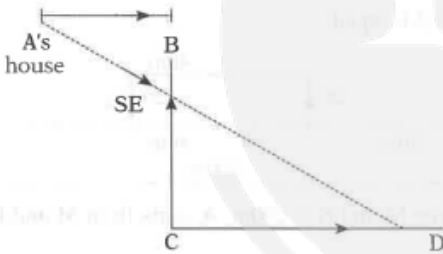
It is clear that, P is in South-West direction of Y.

Q7 Text Solution:

Only daughter of Vijay’s mother means sister of Vijay. Sister of Vijay is mother of Anand. Therefore, Anand is the nephew of Vijay. Hence, the correct option is (C) i.e., Nephew.

Q8 Text Solution:

According to the given information, the location of D’s house with respect to A’s house is:



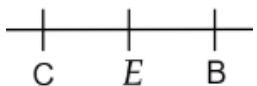
Therefore, D's house is in the South-East direction of A.

Q9 Text Solution:

Consider the seating arrangement of five boys A, B, C, D and E sitting in a row. According to the question, A is to the right of B and A is to the left of D;



Also, E is to the left of B but to the right of C;



Therefore, the final arrangement will be:

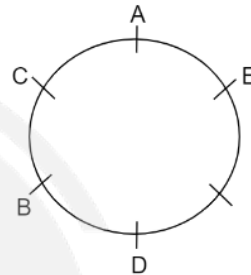


Thus, from the left end E is sitting at the second.

Hence, option (C) is the correct answer i.e., E.

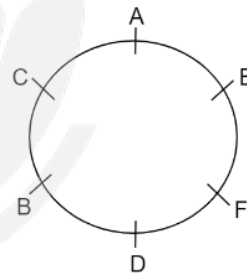
Q10 Text Solution:

According to the question, B is between C and D and A is between E and C;



Also, F is to the right of D.

Therefore, the final arrangement will be:

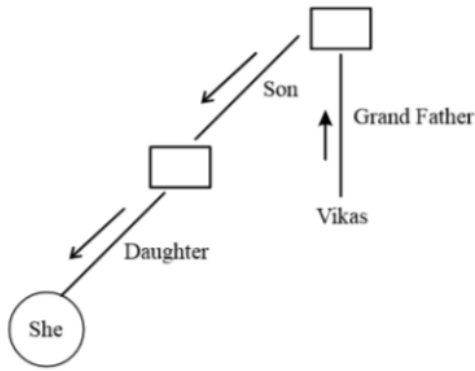


Thus, E is standing in between A and F. Hence, option (D) is the correct answer.

Q11 Text Solution:

Depicting the given information, we get





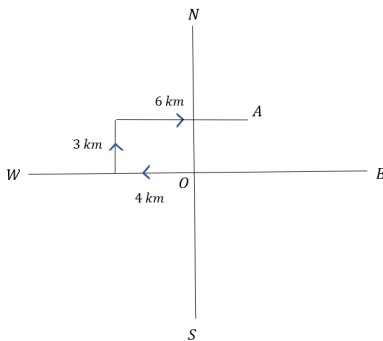
Vikas's grandfather's only son is Vikas's father.
 So, the daughter of Vikas's father is Vikas's sister.
 Thus, the lady is the sister of Vikas.
 Hence, the correct option is (C) i.e., Sister.

Q12 Text Solution:

According to the information,
 C is sitting between A and E i.e., A C E 'or' E C A
 B is sitting at immediate right of E i.e., A C E B
 D is sitting at 3rd left of E i.e., D A C E B
 Since, F is not at the right end and D is not at the end thus the final arrangement is:
 F D A C E B
 Therefore, A is to the immediate left of C.

Q13 Text Solution:

Considering O to be the starting point and then moving along with the data of the question, we get



Clearly, his final position is at A i.e., he is now moving in the east direction.
 Hence, the correct option is (A) i.e. East.

Q14 Text Solution:

Firstly, let us consider that the houses are north facing.

According to question,

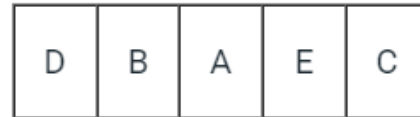
There are five different houses, A to E, in a row, where

A is to the right of B i.e., B A

E is to the left of C and right of A i.e., A E C

B is to the right of D i.e., D B

So, the houses are arranged in the manner:



Therefore, house A is in the middle.

Hence, the correct answer is option (A).

Q15 Text Solution:

We know, Sun rises in the East.

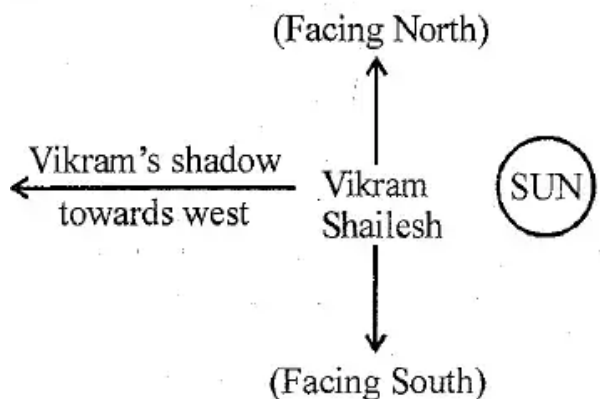
It is given that "one morning after sunrise", therefore, we will mark Sun in the East direction in the below diagram.

When Sun is in the East direction, shadow of an object falls in the West.

It is given that Vikram's shadow falls towards left hand side.

This means Vikram's left hand side should be West direction.

Thus, according to the question, pattern followed is,



Therefore, Shailesh is facing South direction.
Hence, the correct option is (C) i.e. South.

Q16 Text Solution:

Since, O is the husband of P and Q is the grand-daughter of O.

Thus, O is the grand-father of Q.

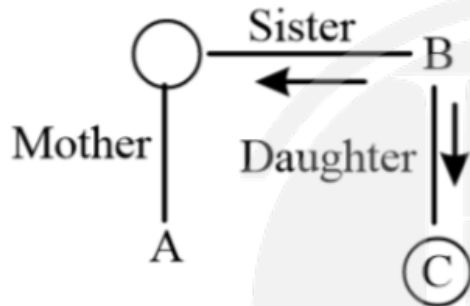
Also, M is the son of P.

Therefore, M is the son of O.

Hence, the correct option is (A) i.e., Son.

Q17 Text Solution:

The given information can be represented as,



where the circle around the alphabet represents the person is female.

Here, 'A' can be Niece or Nephew of 'B'.

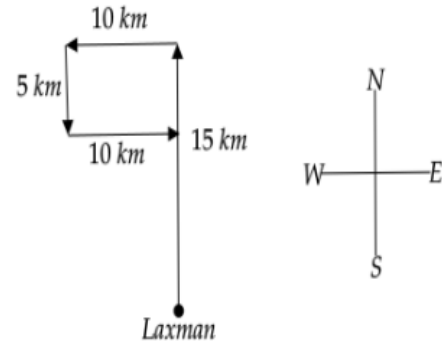
Therefore, out of the given options, 'A' is niece of 'B'.

Hence, the correct option is (A) i.e., Niece.

Q18 Text Solution:

Given that,

Laxman is facing towards North direction and moved 15 km straight. He turned in the West direction and moved 10 km. Then Laxman moved 5 km towards the South. In last, he moved 10 km in the east direction.



Thus, he is moving towards the East.

Hence, option (A) is the correct i.e., East.

Q19 Text Solution:

Considering the multi- storey building where five senior citizens live in each flat.

According to the question,

Mr. Manu lives in a flat above Mr. Ashokan.

-- Manu

-- Ashokan

Since, Mr. Lokesh in a flat below Mr. Gaurav, Mr.

Ashokan lives in a flat below Mr. Gaurav and Mr.

Rakesh lives in a flat below Mr. Lokesh.

Thus, this implies Mr Manu lives in the top most flat.

Q20 Text Solution:

According to the question,

Vicky introduces John as the son of the only brother of his father's wife this implies Vicky's father's wife i.e., Vicky's mother.

Mother's only brother i.e., Vicky's Maternal Uncle.

This implies, Vicky is John's cousin.

Hence, the correct answer is option (A) i.e., Cousin.

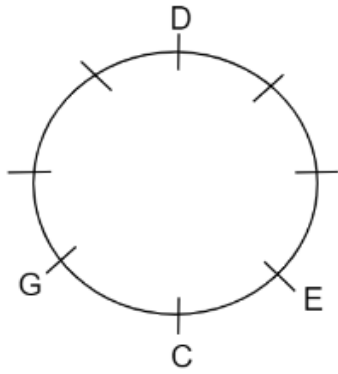
Q21 Text Solution:

Consider the seating arrangement of four Indian A, B, C and D and four Chinese E, F, G and H sitting in a circle around a table facing the each other in the conference.

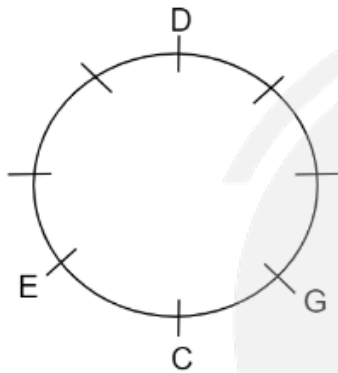
According to the question,



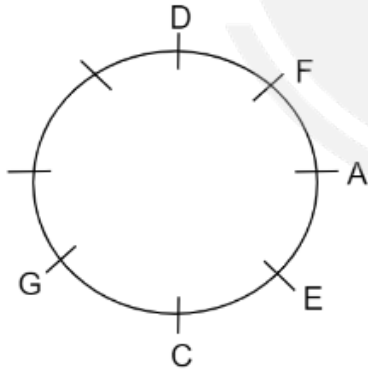
C who is sitting between G and E and C is facing D;



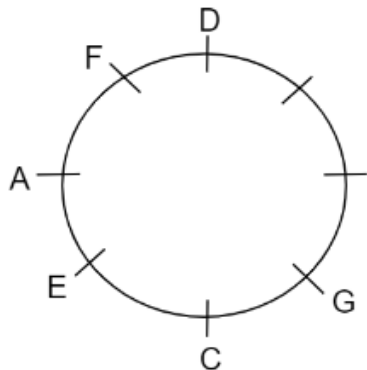
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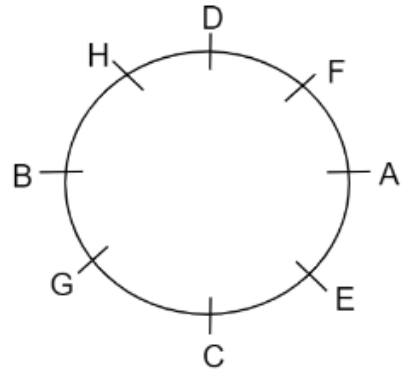
And F is between D and A and facing G;



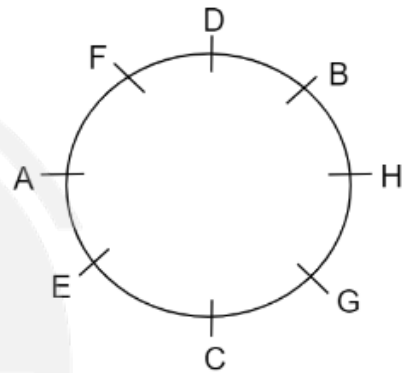
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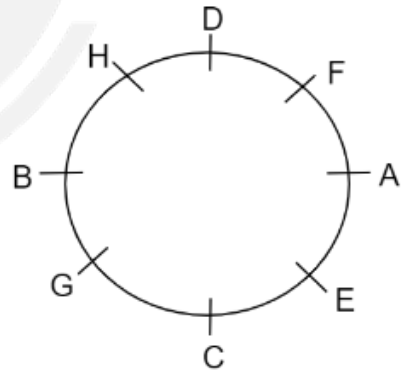
In last, H is to the left of B;



OR



Now, no two Indians or Chinese are sitting side by side. Therefore, the final arrangement will be:



Thus, E is sitting left to A.

Hence, option (A) is the correct answer i.e., E.

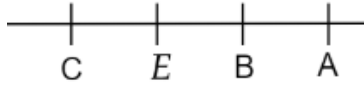
Q22 Text Solution:

Considering the seating arrangement of five boys A, B, C, D, E.

According to the question,

A is to the right of B and E is to the left of B but to the right of C;





And A is to the left of D;



Therefore, the final arrangement will be:

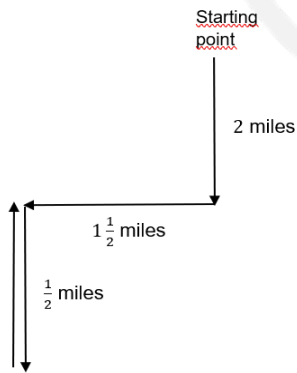
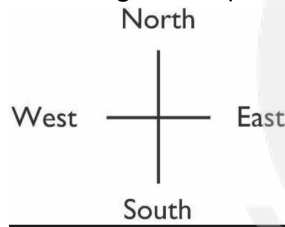


Thus, E is second from the left end.

Hence, option (C) is the correct answer i.e., E.

Q23 Text Solution:

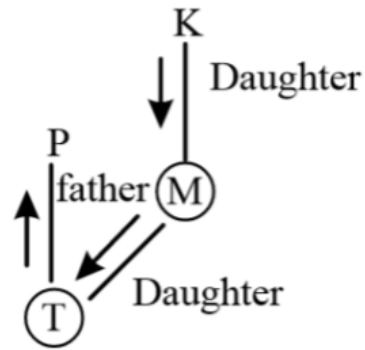
According to the question,



Clearly, Suresh is facing towards the north. Hence, the correct option is (D) i.e. North.

Q24 Text Solution:

The given information can be represented as:



where the circle around the alphabet indicates that person is a lady.

Thus, M is the mother of T and wife of P.

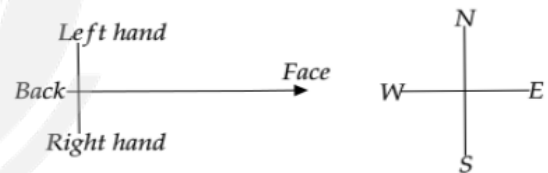
Therefore, P is the son-in-law of K.

Hence, the correct option is (D) i.e., Son-in-law.

Q25 Text Solution:

Given that,

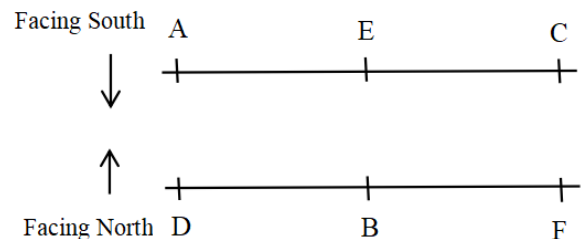
A person is standing in such a way that his right hand is towards the South. Then, the left hand is towards the North. So, the person is facing towards the East direction.



Thus, his back will be towards the West direction. Hence, option (D) is the correct i.e., West.

Q26 Text Solution:

According to the given information, the seating arrangement would be:

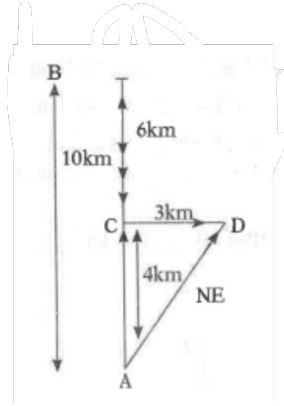


Therefore, A is sitting diagonally to F.

Q27 Text Solution:



The movements of Ms. N are as shown in Fig.



$$AC = 10 - 6 = 4 \text{ km}$$

Here, ACD is a right-angled triangle

$$AD^2 = AC^2 + CD^2$$

$$\Rightarrow AD^2 = 4^2 + 3^2$$

$$\Rightarrow AD^2 = 16 + 9$$

$$\Rightarrow AD^2 = 25$$

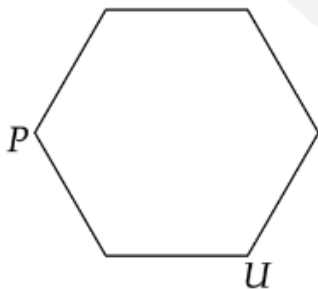
$$\Rightarrow AD = \sqrt{25} = 5 \text{ km}$$

Therefore, Direction from A to D is North - east.

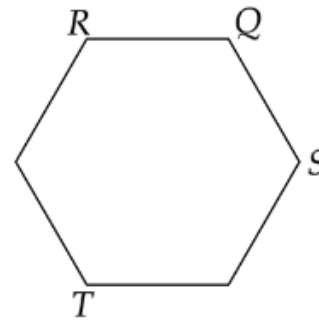
Hence, the correct option is (D).

Q28 Text Solution:

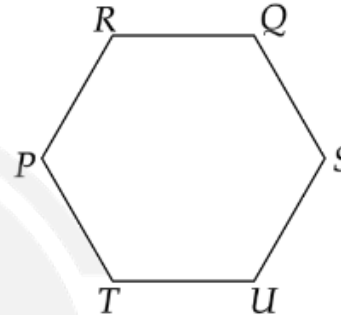
According to the question,
P is second to the left of U;



Also, Q is neighbour of R and S means Q is sitting between R and S and T is second to the left of S;



Therefore, the final arrangement will be;

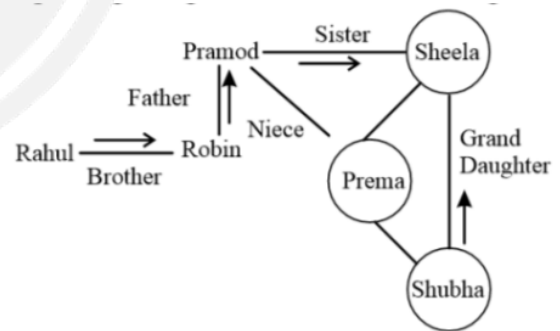


Thus, P is sitting opposite to S.

Hence, option (B) is the correct answer i.e., P.

Q29 Text Solution:

Depicting the given information, we get



Rahul and Robin are brothers and Pramod is Robin's father which implies that Rahul is also the son of Pramod.

Also, Sheela is Pramod's sister and Prema is Pramod's niece which implies that Prema is the daughter of Sheela.

Since, Shubha is Sheela's grand-daughter.

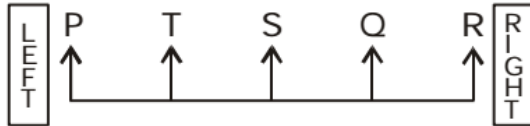
Thus, Rahul is the uncle of Shubha.

Hence, the correct option is (C) i.e., Uncle.



Q30 Text Solution:

According to the question,
 Students are sitting in a row facing North.
 S is seated between T and Q i.e. T S Q
 Q is seated immediately to the left of R i.e. Q R
 P is seated immediately to the left of T i.e. P T
 Thus, the final sitting arrangement:-



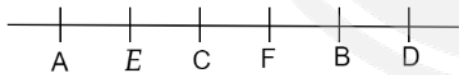
As shown in figure, Q is seated at second right.
 Hence, the correct option is (D) i.e., Q.

Q31 Text Solution:

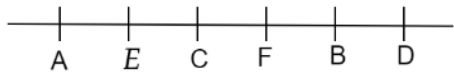
Considering the six children A, B, C, D, E and F are standing in a row.
 According to the question,
 B is between F and D;



E is between A and C;



In last, A does not stand next to F or D and C does not stand next to D.

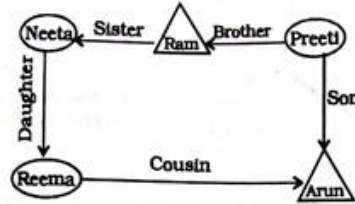


Thus, F is standing between C and B or B and C.
 Hence, option (B) is the correct answer.

Q32 Text Solution:

Arun is the son of Preeti.
 Ram is the brother of Preeti and Neeta.
 Reema is the daughter of Neeta.

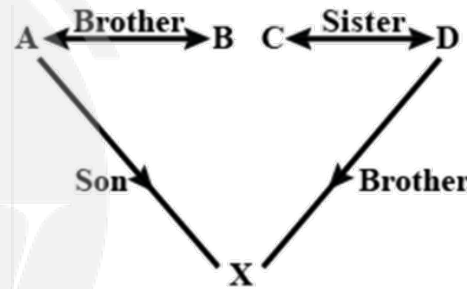
Thus, Arun is the cousin of Reema.



Hence, the correct option is (C) i.e., Cousin

Q33 Text Solution:

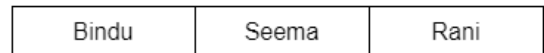
Given,
 A and B are brothers and C and D are sisters.
 A's son is the brother of D. So, D is the daughter of A.
 Since, C and D are sisters. Therefore, C is also the daughter of A.



Thus, B is the uncle of C.
 Hence, the correct option is (C) i.e., Uncle.

Q34 Text Solution:

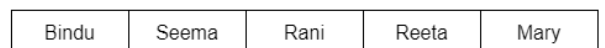
Considering the five girls facing the North direction, then
 According to the question,
 Seema is to the left of Rani and to the right of Bindu



Now, Mary is to the right of Rani



Also, Reeta is between Rani and Mary, thus the final arrangement will be:



Therefore, Mary is sitting immediate right to

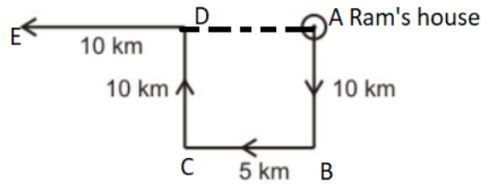


Reeta.

Hence, the correct option is (D) i.e. Mary.

Q35 Text Solution:

According to given information, we have



Clearly, $BC = AD = 5 \text{ km}$

Distance to bicycle from E to house A = $ED + DA$

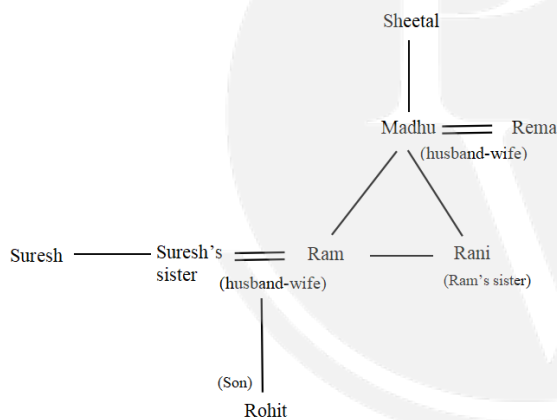
$= 10 + 5$

$= 15 \text{ km}$

Hence, option (B) is correct i.e. 15.

Q36 Text Solution:

According to the information given, we have



Clearly, Rohit is Suresh's sister son.

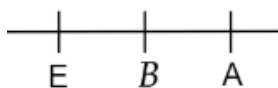
Therefore, Rohit is nephew of Suresh.

Q37 Text Solution:

Consider the seating arrangement of five people A, B, C, D and E sitting on a bench facing the north direction.

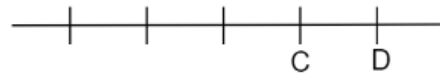
According to the question,

A is sitting next to B and A is on the right side of B who is the right side of E;



Also, C is sitting next to D and C is on second

position from the right;



'OR'



In last, D is not sitting with E and E is at the left end of the bench but A and C are sitting together. Therefore, the final arrangement will be:

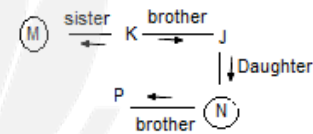


Thus, A is sitting between B and C.

Hence, option (C) is the correct answer.

Q38 Text Solution:

The given information can be represented as:



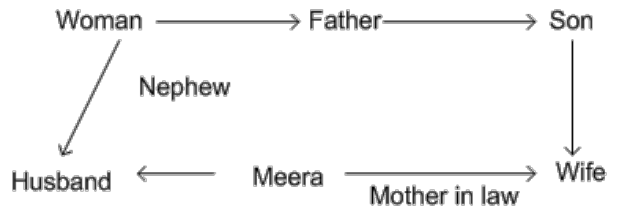
where the circle around the alphabet indicates that person is a lady.

Therefore, K is the uncle of P.

Hence, the correct option is (A) i.e., K.

Q39 Text Solution:

As per the given information,



The wife of the brother of the woman in the photograph is the mother-in-law of Meera. Meera is the daughter-in-law of the brother of that woman.



Therefore, the husband of Meera is the nephew of that woman.

Hence, the correct option is (A) i.e., Nephew.

Q40 Text Solution:

Given: Ravi is the brother of Anu and Anu is the daughter of Sita.

Since, Ravi and Anu are siblings, and Anu is the daughter of Sita, this means that Ravi is the son of Sita.

Therefore, Ravi is Sita's son.

Hence, the correct option is (C) i.e., Son.

Q41 Text Solution:

According to the question,

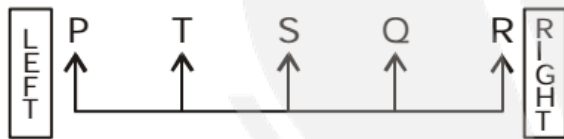
Five friends P, Q, R, S and T are sitting in a row facing North.

S is between T and Q i.e. T S Q

Q is to the immediate left of R i.e. Q R

P is to the immediate left of T i.e. P T

Sitting arrangement:-



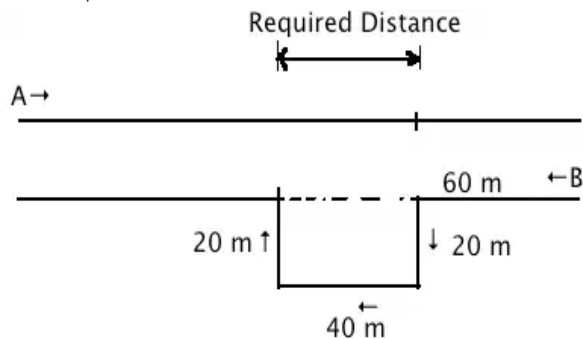
As shown in figure, S is in the middle.

Hence, the correct option is (A) i.e., S.

Q42 Text Solution:

Distance traveled by A on road
 $= 60 + 20 + 40 + 20 = 140 \text{ m}$

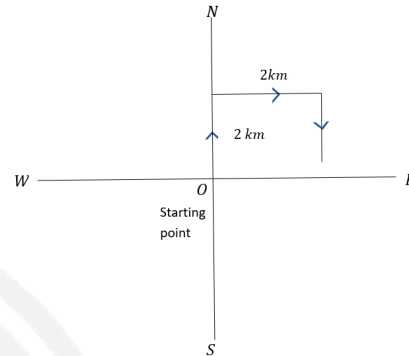
Distance traveled by B on road
 $= 60 + 40 = 100 \text{ m}$



Required difference $= 140 - 100 = 40 \text{ m}$
 Hence, option (C) is correct.

Q43 Text Solution:

Consider the center to be the starting point and then moving along with the data of the question, we get



Clearly, she is facing the south direction.

Hence, the correct answer is option (B) i.e. South.

Q44 Text Solution:

In the given scenario, Maya introduces Rajesh as the son of the only daughter of her mother's brother.

i.e., Maya's mother's brother has a daughter, and that daughter is Rajesh's mother. As Maya is the daughter of Rajesh's grandmother, thus Maya is . Therefore, Maya is Rajesh's aunt.

Hence, the correct option is (C) i.e., Aunt.

Q45 Text Solution:

According to the given information,

A is seated between D and F and is facing North i.e.,

Row : D/F A F/D

Also, B who is to the immediate left of E, is facing F and C is seated to the immediate right of E i.e., the possible arrangement

Row 1: C E B

Row 2: D A F

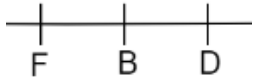
From the arrangement, we can see that D is sitting in front of C..



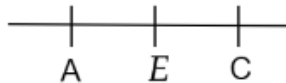
Hence, the correct option is (C) i.e., D.

Q46 Text Solution:

Considering the sitting arrangement of six children A, B, C, D, E and F. According to the question, B is between F and D;

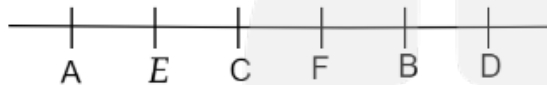


And E is between A and C;



In last, A does not sit next to F or D. C does not sit next to D.

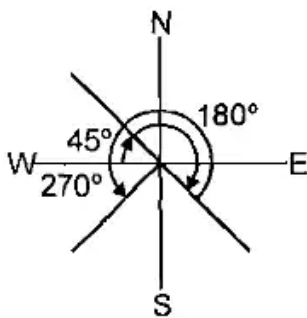
Therefore, the final arrangement will be:



Thus, F is sitting between B and C. Hence, option (A) is the correct i.e., B and C.

Q47 Text Solution:

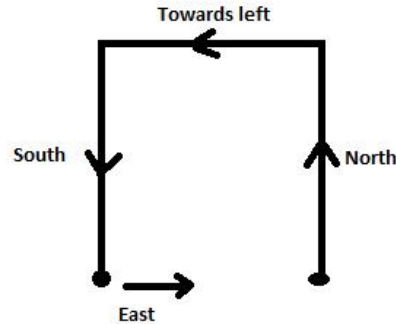
The man was facing west direction. After turning 45 degree clockwise his direction will be North- West After turning 180 degree clockwise i.e., in the same direction his direction will be South-East. At last, after turning 270 degree anti clockwise his direction will be South-West.



Hence, the correct option is (A) i.e. South-West.

Q48 Text Solution:

First Mohan goes towards the North. Then he turns towards the left i.e. towards the West. Then he travels South and covers the same distance in each direction.



Thus, he has to go towards the East to reach his house.

Hence, option (A) is correct i.e., East.

Q49 Text Solution:

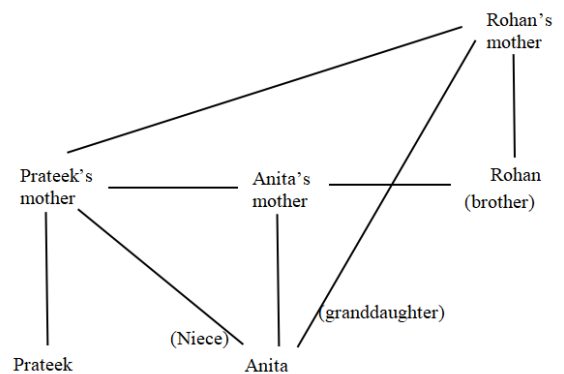
According to the information, C is sitting between A and E i.e., A C E 'or' E C A B is sitting at immediate right of E i.e., A C E B D is sitting at 3rd left of E i.e., D A C E B Since, F is not at the right end and D is not at the end thus the final arrangement is:

F D A C E B

Therefore, there are 4 persons to the right of D.

Q50 Text Solution:

According to the given information, we have



Therefore, Rohan is Prateek's Uncle.





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