

Linear Arrangement



Direction (1-5): Read the following passage carefully and answer the questions given below it.

Eight friends A, B, C, D, E, F, G and H are seated in a row facing north. There are exactly two persons sitting to the left of B. Three persons sit between A and H and neither of A or H is a neighbour of B. C sits to the left of A. Only one person is sitting between D and F and none of them is sitting at a corner seat. G is a neighbour of F.

1. Who is sitting at the extreme right end?

- (1) A
- (2) H
- (3) E
- (4) F
- (5) None of these

2. How many persons sit between G and C?

- (1) 1
- (2) 2
- (3) 3
- (4) 4
- (5) Cannot be determined

3. Which of the following is a neighbour of A?

- (1) D
- (2) F
- (3) C
- (4) D and C
- (5) D and F

4. Who is sitting to the immediate left of E?

- (1) F
- (2) D
- (3) A
- (4) C
- (5) None of these

5. What is F's position with respect to C?

- (1) Fourth to the right
- (2) Fourth to the left
- (3) Second to the right
- (4) Second to the left
- (5) Cannot be determined

(1-5)

The arrangement will be
H C B D A F G E

- 1. (3)
- 2. (4)
- 3. (5)
- 4. (5)
- 5. (1)

Johnson, Ricky, Cook, Demon, Chris, Root, Peter and Mathew are sitting in a straight line equidistant from each other (but not necessarily in the same order). Some of them are facing south while some are facing north.

(Note: Facing the same direction means, if one is facing north then the other also faces north and vice-versa.

Facing the opposite directions means, if one is facing north then the other faces south and vice-versa)

Johnson faces north. Only two people sit to the right of Johnson. Ricky sits third to the left of Johnson. Only one person sits between Ricky and Root. Root sits to the immediate right of Chris. Only one person sits between Chris and Mathew. Both the immediate neighbors of Ricky face the same direction. Cook sits third to the left of Root. Ricky faces the opposite direction as Johnson. Peter does not sit at any of the extremes ends of the line. Demon faces the same direction as Chris. Both Peter and Cook face the opposite direction of Mathew.

1. How many persons in the given arrangement are facing North?

- More than four
- Four
- One
- Three
- two

Solution: Directions(1-5)

2. Four of the following five are alike in a certain way, and so form a group. Which of the following does not belong to the group?

- Chris, Root
- Mathew, Peter
- Ricky, Johnson
- Ricky, Peter
- Demon, Cook

3. What is the position of Root with respect to Mathew?

- Second to the left

Linear Arrangement

Third to the right
Third to the left
Fifth to the right
Second to the right

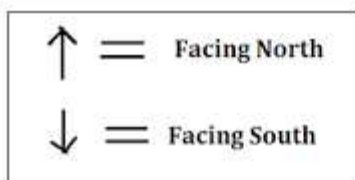
4. Who amongst the following sits exactly between Mathew and Chris?

Ricky
Peter
Root
Chris
Cook

5. Who is sitting 2nd to the right of Ricky?

Mathew
Demon
Root
Chris
None of the above

Answers: B D B A B



Sunita, Sonu, Shubham, Shivam, Sneha, Seena, Sristi and Sakshi are seated in a straight line but not necessarily in the same order. Some of them are facing South while some are facing North.

(NOTE: Same direction means that if one person is facing north then the other also faces north and if one person is facing south then the other person also faces south. Opposite direction means that if one person is facing north then the other person faces south and vice versa.)

Sneha faces south. Only three people sit to the left of Sneha. Only two people sit between Sneha and Sonu. Seena sits third to the right of Sakshi. Sakshi is an immediate neighbour of neither Sneha nor Sonu. Sakshi does not sit at any of the extreme ends of the line. Both the immediate neighbours of Shivam face north. Shivam is not an immediate neighbour of Sakshi. Only

one person sits between Shivam and Sunita. Sunita faces the same direction as Sakshi. The immediate neighbours of Sonu face opposite directions (ie if one neighbour faces north then the other faces south and vice versa). Persons sitting at extreme ends face opposite directions. Shubham faces a direction opposite that of Shivam.

6. How many persons are seated between Sneha and Sunita?

(a) Four
(b) More than four
(c) One
(d) Three
(e) Two

7. Which of the following pairs represents the persons seated at the two extreme ends of the line?

(a) Shubham, Sneha
(b) Sunita, Sristi
(c) Sunita, Seena
(d) Sonu, Shubham
(e) Shubham, Sneha

8. Which of the following is true about Sristi with respect to the given arrangement?

(a) Only two people sit between Sristi and Sonu.
(b) Only one person sits to the right of Sristi.
(c) None of the given options is true
(d) Seena is one of the immediate neighbours of Sristi.
(e) Shubham sits second to the right of Sristi.

9. Who among the following sits on the immediate left of Shubham?

(a) Sneha
(b) Sunita
(c) Sakshi
(d) Sonu
(e) Shivam

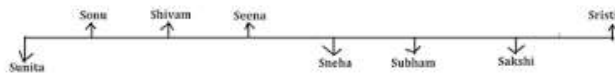
10. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Which is the one that does not belong to that group?

(a) Shubham
(b) Seena
(c) Sunita
(d) Sakshi
(e) Sneha

Answers: D B C C B

Linear Arrangement

Directions (6-10):



Prince, Queen, Ricky, Smith, Tim, Uber, Vivian and Watson are seated in a straight line but not necessarily in the same order. Some of them are facing South while some are facing North.

(NOTE: Same direction means that if one person is facing north then the other also faces north and if one person is facing south then the other person also faces south. Opposite direction means that if one person is facing north then the other person faces south and vice versa.)

Tim faces south. Only three people sit to the left of Tim. Only two people sit between Tim and Queen. Uber sits third to the right of Watson. Watson is an immediate neighbour of neither Tim nor Queen. Watson does not sit at any of the extreme ends of the line.

Both the immediate neighbours of Smith face north. Smith is not an immediate neighbour of Watson. Only one person sits between Smith and Prince. Prince faces the same direction as Watson. The immediate neighbours of Queen face opposite directions (ie if one neighbour faces north then the other faces south and vice versa). Persons sitting at extreme ends face opposite directions. Ricky faces a direction opposite that of Smith.

6. How many persons are seated between Tim and Prince?

- (a) Four
- (b) More than four
- (c) One
- (d) Three
- (e) Two

7. Which of the following pairs represents the persons seated at the two extreme ends of the line?

- (a) Ricky, Tim
- (b) Prince, Vivian
- (c) Prince, Uber
- (d) Queen, Ricky
- (e) Ricky, Smith

8. Which of the following is true about Vivian with respect to the given arrangement?

- (a) Only two people sit between Vivian and Queen.
- (b) Only one person sits to the right of Vivian.
- (c) None of the given options is true
- (d) Uber is one of the immediate neighbours of Vivian.
- (e) Ricky sits second to the right of Vivian.

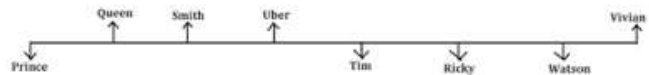
9. Who among the following sits on the immediate left of Ricky?

- (a) Tim
- (b) Prince
- (c) Watson
- (d) Queen
- (e) Smith

10. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Which is the one that does not belong to that group?

- (a) Ricky
- (b) Uber
- (c) Prince
- (d) Watson
- (e) Tim

Answer: D B C C B



Read the following information and answer the given questions.

P, Q, R, S, T, U, V and W are seated in a straight line but not necessarily in the same order. Some of them are facing South while some are facing North.

(Note : Same direction means that if one person facing North then the other also faces North and vice-versa.

Opposite direction means that if one person is facing North then the other faces South and vice-versa.) T faces South. Only three people sit to the left of T. Only two people sit between T and Q. U sits third to the right of W. W is neither an immediate neighbour of T nor Q. W does not sit at any of the extreme ends of the line. Both the immediate neighbours of S face north. S is not an immediate neighbour of W. Only one person sits between S and P. P faces same direction as W.

Immediate neighbours of Q face opposite directions (i.e. if one neighbour faces north then the other south

and vice-versa). Persons sitting at extreme ends face opposite directions. R faces a direction opposite to S.

6. How many persons are seated between T and P?

- (a) Four
- (b) More than four
- (c) One
- (d) Three
- (e) Two

7. Which of the following pairs represents persons seated at the two extreme ends of the line?

- (a) R, T
- (b) P, V
- (c) P, U
- (d) Q, R
- (e) R, S

8. Which of the following is true about V with respect to the given arrangement?

- (a) Only two people sit between V and Q.
- (b) Only one person sits to the right of V.
- (c) None of the given options is true.
- (d) U is one of the immediate neighbor of V
- (e) R sits second to the right of V.

9. Who amongst the following sits to the immediate left of R?

- (a) T
- (b) P
- (c) W
- (d) Q
- (e) S

10. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Which is the one that does not belong to that group?

- (a) R
- (b) U
- (c) P
- (d) W
- (e) T

S, T, U, V, W, X, Y and Z are sitting in a straight line equidistant from each other (but not necessarily in the same order). Some of them are facing south while some are facing north. (Note : Facing the same direction means, if one is facing north then the other also faces north and vice-versa. Facing the opposite directions means, if one is facing north then the other faces south and vice-versa) S faces north. Only two people sit to the right of S. T sits third to the left of S. Only one person sits between T and X. X sits to the immediate right of W. Only one person sits between W and Z. Both the immediate neighbors of T face the same direction. U sits third to the left of X. T faces the opposite direction as S. Y does not sit at any of the extremes ends of the line. V faces the same direction as W. Both Y and U face the opposite direction of Z.

1. How many persons in the given arrangement are facing North?

- (a) More than four (b) Four (c) One (d) Three (e) Two

2. Four of the following five are alike in a certain way, and so form a group. Which of the following does not belong to the group?

- (a) W, X (b) Z, Y (c) T, S (d) T, Y (e) V, U

3. What is the position of X with respect to Z?

- (a) Second to the left (b) Third to the right (c) Third to the left (d) Fifth to the right (e) Second to the right

4. Who amongst the following sits exactly between Z and W?

- (a) T (b) Y (c) X (d) W (e) U

5. Who is sitting 2nd to the right of T?

- (a) Z (b) V (c) X (d) W (e) None of these.

1 – B

2 – D

3 – B

4 – A

5 – B

6. d

7. b

8. c

9. c

10. b

Linear Arrangement



Seven people – J, K, L, M, N, O and P – are sitting in a straight line with equal distance between each other, but not necessarily in the same order. Some of them are facing north and some are facing south. Only two people are sitting to the left of P. Only two people sit between P and K. J sits second to the left of K. The immediate neighbours of J face opposite directions (i.e. if one of the neighbours faces south then the other faces north and vice versa). Only one person sits between J and L. O sits third to the left of L. M is not an immediate neighbour of K. Both the immediate neighbours of L face the same direction (i.e. if one neighbour faces south then the other neighbour also faces south and if one neighbour faces north then the other neighbour also faces north). J faces the same direction as L. N faces north. K sits on the immediate left of N.

Q11. Who among the following sits exactly between P and the one who is sitting on the immediate left of K?

- (a) J
- (b) L
- (c) Other than those given as options
- (d) N
- (e) O

Q12. Who among the following sits exactly in the middle of the line?

- (a) M
- (b) J
- (c) O
- (d) N
- (e) L

Q13. Which of the following statements is TRUE as per the given information?

- (a) M faces south
- (b) P sits third to the left of K
- (c) None of the given options is true
- (d) M sits exactly between L and J
- (e) O sits on the immediate right of J

Q14. Which of the following pairs represents the people sitting at the two extreme ends of the line?

- (a) KL
- (b) Other than those given as options
- (c) NO
- (d) MK
- (e) MN

Q15. Who among the following sits second to the right of M?

- (a) O
- (b) P
- (c) K
- (d) Other than those given as options
- (e) J

- 6. d
- 7. b
- 8. c
- 9. c
- 10. b