

EXERCISE

4

Linear Seating Arrangement

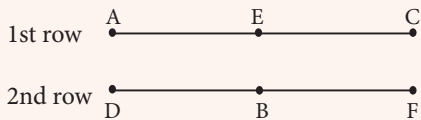
Six persons A, B, C, D, E and F are sitting in two rows, three in each row. E is not at the end of any row. D is second to the left of F. C, the neighbour of E, is sitting diagonally opposite to D. B is the neighbour of F.

1. Which of the following are in one of the two rows?

- a) D, B and F
- b) C, E and B
- c) A, E and F
- d) F, B and C.

Answer: a)

Explanation: First row



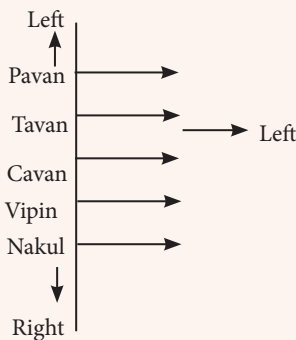
Clearly, D, B and F are in one of the two rows.

2. Five boys are standing in a row facing East. Pavan is to the left of Tavan, Vipin, Chavan. Tavan, Vipin and Chavan are to the left of Nakul. Chavan is between Tavan and Vipin. If Vipin is fourth from the left, then how far is Tavan from the right?

- a) First
- b) Second
- c) Third
- d) Fourth.

Answer: d)

Five boys standing in a row are pavan, Tavan, Vipin, Chavan and Nakul



From the given information, the five boys are standing in the row as shown above. Clearly, Tavan is fourth from the right end.

Directions (Qs. 3-4): Study the following information carefully to answer the questions that follows.

Eight persons namely A, B, C, D, E, F, G and H are sitting in a straight line from East to West. Some are facing North direction and some are facing South direction.

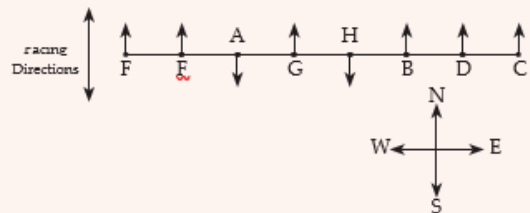
H sits to the third left of C and faces South. F is sitting at one of the extreme ends and is facing North. B and G are facing in same direction and person sitting between them is facing in opposite direction. A is sitting third from left end and is facing South direction. A is sitting adjacent to E and both are facing in opposite directions. D is sitting to the right of B and both are facing in same direction. C is facing in North direction. A and D are not neighbours. Neighbours of H are facing in same direction which is opposite to the direction in which H is facing. E sits to the right of A.

3. Who is sitting between A and H?

- a) F
- b) E
- c) G
- d) B

Answer: c) G

The given set of information can be arranged as



4. Which of the following pairs has the person facing the same direction?

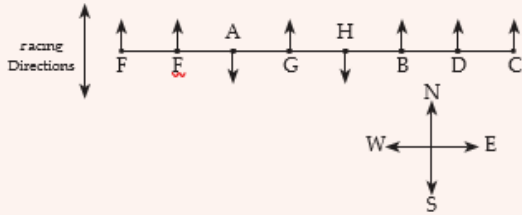
- a) E, A
- b) G, H
- c) A, G
- d) B, D.

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Answer: d)

The given set of information can be arranged as

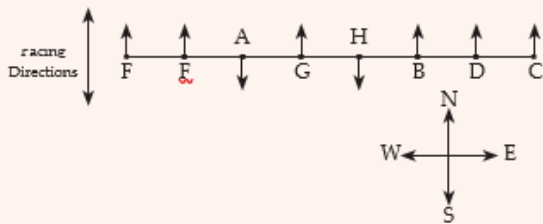


5. How many persons are facing in North direction?

- a) 2 b) 3 c) 4 d) 6.

Answer: d) 6

Explanation: The given set of information can be arranged as

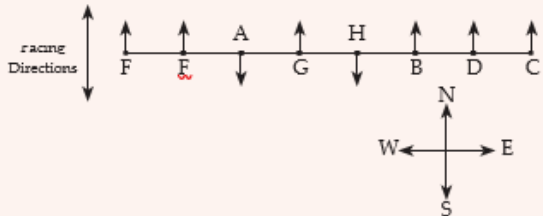


6. Who is sitting third from the Eastern end of the arrangement?

- a) E b) G c) B d) C.

Answer: c) B

Explanation: The given set of information can be arranged as

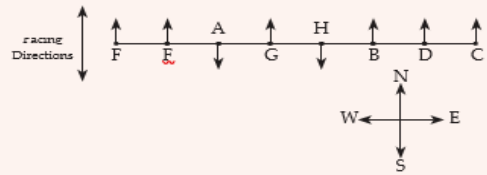


7. How many persons are sitting between E and B?

- a) 2 b) 3 c) 4 d) 5.

Answer: b) 3

The given set of information can be arranged as

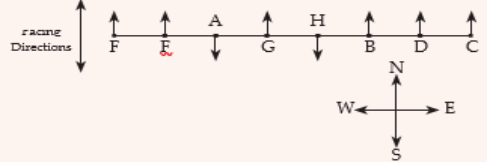


8. Which one of the following statement is correct?

- a) A sits between G and B.
 b) D sits to the second left of H.
 c) H and B are facing same direction.
 d) Person sitting to the left of A faces North direction.

Answer: d)

Explanation: The given set of information can be arranged as

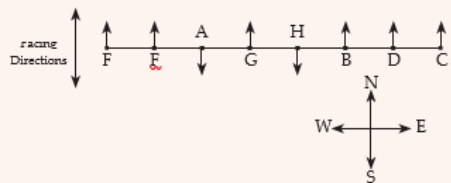


9. Who sits 3rd to the left of A?

- a) B b) D c) H d) G.

Answer: a) B

The given set of information can be arranged as

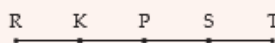


10. Five children are sitting in a row. S is sitting next to P but not T. K is sitting next to R, who is sitting on the extreme left and T is not sitting next to K. Who is/are sitting adjacent to S?

- a) K and P b) R and P c) Only P d) P and T.

Answer: d)

Explanation: According to the question, if we arrange the children in a row, then we get



Hence, P and T are sitting adjacent to S.