



Date : 30th Nov 2023

Logical Reasoning – Blood Relation

English

Direction 1 – 3 : Read the information carefully and answer the question.

Point P is 10m to the west of Point B. Point D is 3m to the north of point L. Point L is 10m to the south of point P. Point K is 5m to the west of point H. Point B is 7m to the north of point K. Point C is the midpoint of point P and point L. Point G is 15m to the east of point L.

Q:1 What is the distance between point H and G?

1. 10m
2. 3m
3. 5m
4. 7m
5. 2m

Q:2 Direction: Read the information carefully and answer the question.

Point P is 10m to the west of Point B. Point D is 3m to the north of Point L. Point L is 10m to the south of Point P. Point K is 5m to the west of Point H. Point B is 7m to the north of point K. Point C is the midpoint of point P and point L. Point G is 15m to the east of point L.

Q:2 In which direction is point B with respect to C?

1. North-west
2. South-west
3. South-east
4. North-east
5. None of these

Q:3 Direction: Read the information carefully and answer the question.

Point P is 10m to the west of Point B. Point D is 3m to the north of point L. Point L is 10m to the south of point P. Point K is 5m to the west of point H. Point B is 7m to the north of point K. Point C is the midpoint of point P and point L. Point G is 15m to the east of point L.

Q:3 Which of the following points are in line?

1. P, B, K
2. P, D, K
3. B, C, G
4. P, C, L
5. L, G, H

Direction 4 – 6 : Answer the questions based on the information given below.

Seven persons, A through G are sitting at some

distance from each other. A is sitting 2m east to B, who is sitting 4m north to C, who is sitting in the middle of D and E. G is sitting 3m east to F, who is sitting 2m south to E, who is sitting 6m east to D.

Q:4 What is the direction of E with respect to B?

1. North east
2. North west
3. South West
4. South East
5. None of these

Q:5 What is the direction of D with respect to G?

1. North east
2. North west
3. West
4. East
5. None of these

Q:6 What is the shortest distance between B and E?

1. 10m
2. 12m
3. 15m
4. 5m
5. None of these

Direction 7 – 8 : Read the given information carefully and answer the following questions.

Six students – A, B, C, D, E, and F are standing at certain distances from each other. A is 5 m north of B. F is 2 m north of E, who is 2 m west of D. C is 5 m east of B and 3 m south of D.

Q:7 In which direction and at what distance is A with respect to F?

1. West, 3 m
2. East, 3 m
3. West, 2 m
4. East, 2 m
5. West, 5 m

Q:8 In which direction is B with respect to D?

1. South-West
2. South-East
3. North-West
4. North-East
5. West



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Direction 9 – 10 : Read the given information carefully and answer the following questions.

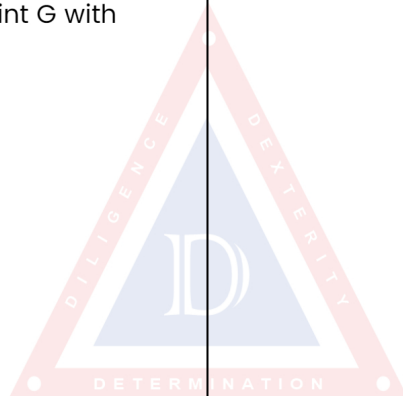
Anita starts from point A and walks 10 m in the south to reach point B. She takes a left turn and walks 10 m to reach point C. She again takes a left turn and walks 5 m to reach point D. From there, she turns left and walks another 5 m to reach point E. Now, she takes a right turn and walks 5 m to reach point F. She takes a final right turn and walks 10 m to reach point G.

Q:9 In which direction is point B with respect to point F?

1. South-West
2. South-East
3. North-West
4. North-East
5. West

Q:10 How far and in which direction is point G with respect to Anita's starting point?

1. 15 m, East
2. 15 m, West
3. 20 m, East
4. 20 m, West
5. 5 m, East



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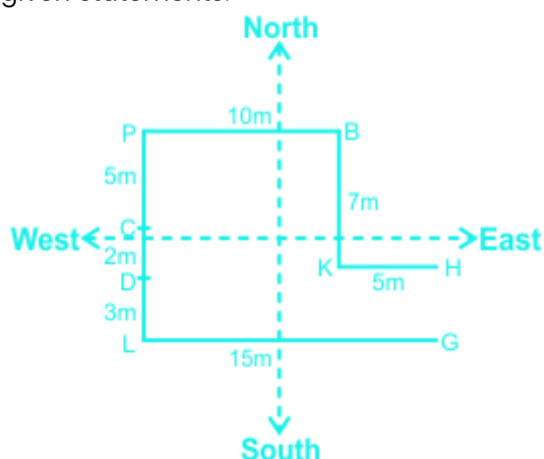
Answer Key

1. (2)	2. (4)	3. (4)	4. (4)	5. (2)
6. (4)	7. (1)	8. (1)	9. (1)	10. (1)

Answers and Solutions

Q:1 The correct answer is **Option 2** i.e. **3m**

The following diagram can be concluded from the given statements.

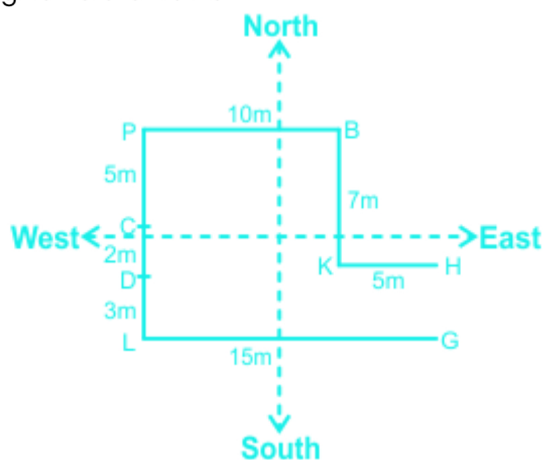


As we can see from the diagram the distance between H and G is 3m.

Hence, the correct answer is **3m**.

Q:2 The correct answer is **Option 4** i.e. **North-east**

The following diagram can be concluded from the given statements.

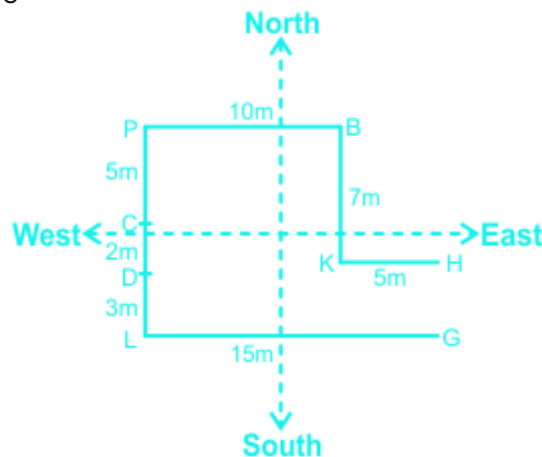


As we can see from the diagram that B is to the northeast of C.

Hence, the correct answer is **Northeast**.

Q:3 The correct answer is **Option 4** i.e. **P, C, L**

The following diagram can be concluded from the given statements.

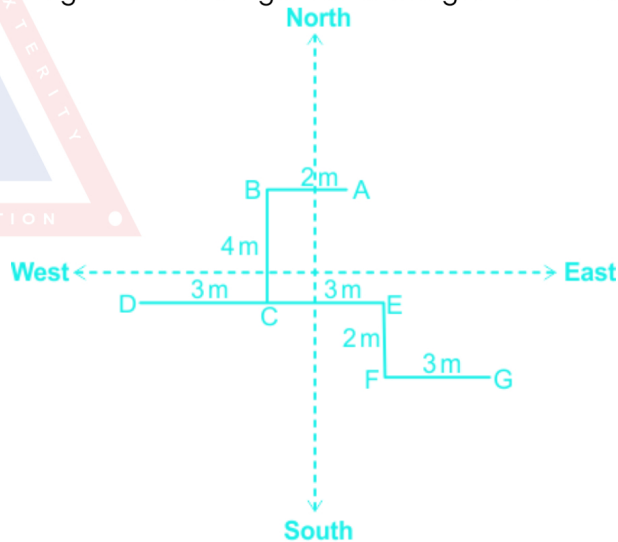


As we can see from the diagram P, C, and L lie in a straight line.

Hence, the correct answer is **P, C, L**.

Q:4 The correct answer is **Option 4** i.e. **South East**.

We get the below figure from the given statements



Hence, E is in South-East to B.

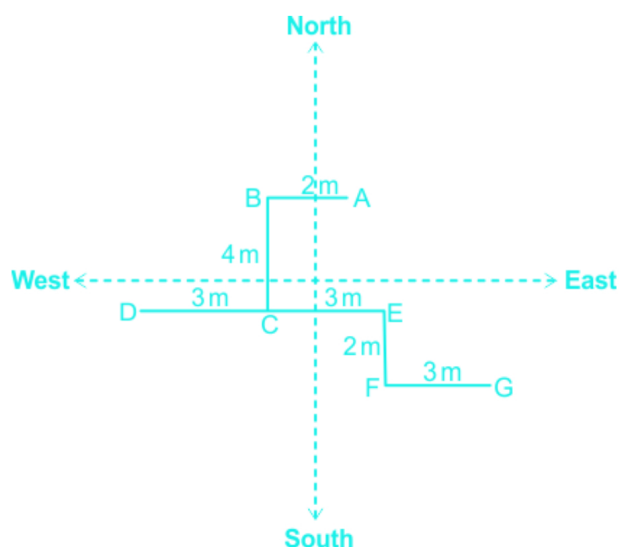
Q:5 The correct answer is **Option 2** i.e. **North west**.

We get the below figure from the given statements

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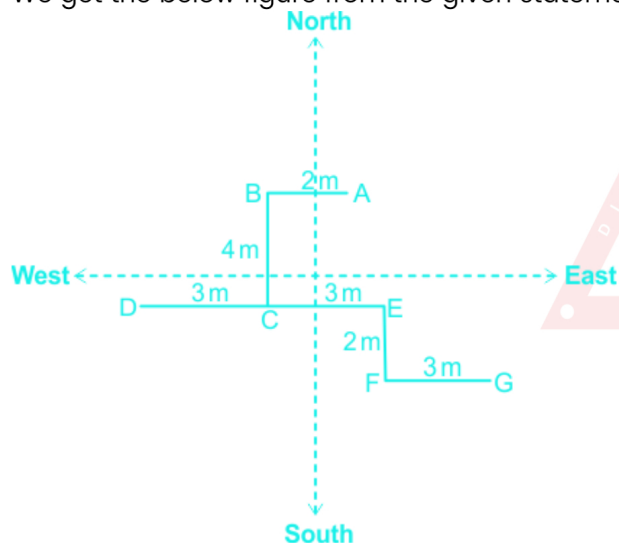
English



Hence, D is in North West to G.

Q:6 The correct answer is **Option 4** i.e. **5m**

We get the below figure from the given statements



Distance between B and E can be calculated by applying Pythagoras theorem.

$$BE^2 = (3)^2 + (4)^2$$

$$BE^2 = 9 + 16$$

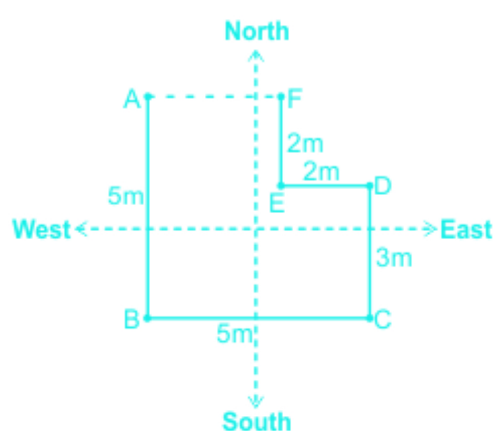
$$BE = 5m$$

B is sitting 5m away from E.

Hence, the correct answer is **5m**.

Q:7 The correct answer is **Option 1** i.e. **West, 3 m**

The position of each student is shown below:



Thus, it can be seen from the figure that A is to the **West** of F.

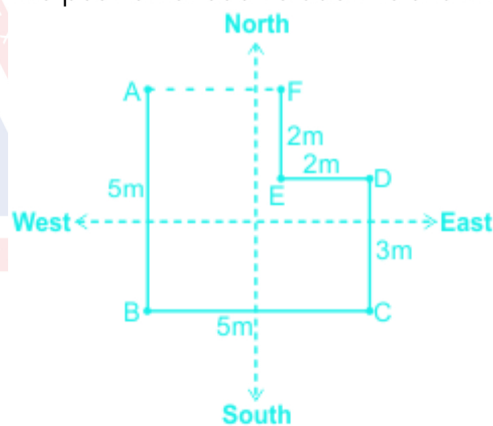
$$\text{Distance between A and F} = BC - ED = 5m - 2m = 3m$$

A is **3m to the west** of F.

Hence, the correct answer is **West, 3 m**.

Q:8 The correct answer is **Option 1** i.e. **South-West**

The position of each student is shown below:



Thus, as clear from the figure, B is in the **south-west** direction with respect to D.

Hence, the correct answer is **South-West**.

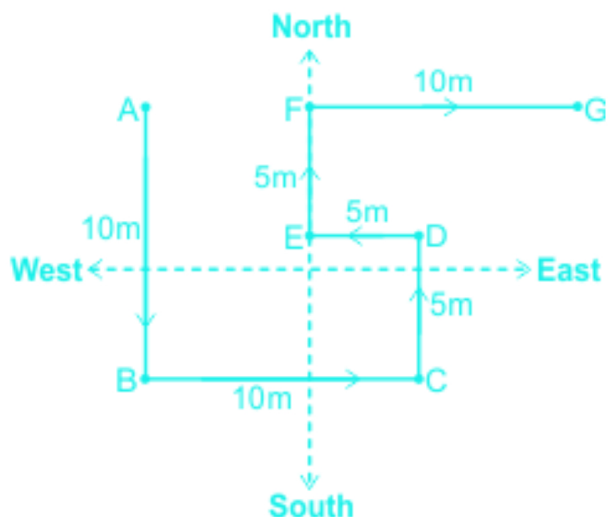
Q:9 The correct answer is **Option 1** i.e. **South-West**

The movement of Anita is as shown below:

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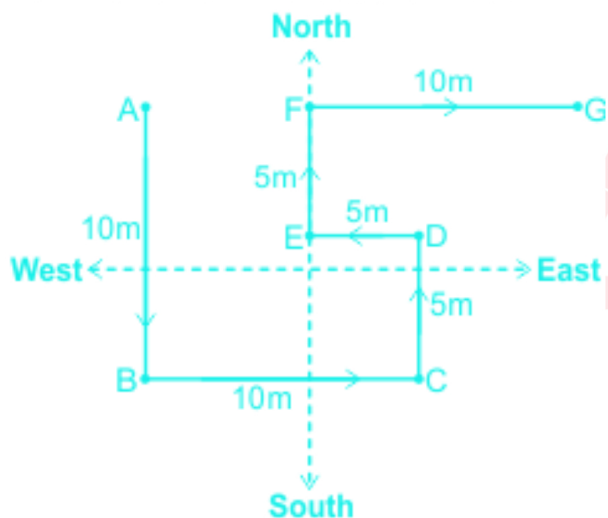
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Hence, point B is in the **South-West** direction with respect to point F.

Q:10 The correct answer is **Option 1** i.e. **15 m, East**
The movement of Anita is as shown below:



Thus, point G is in the **East** direction with respect to point A (Anita's starting point)

Distance between A and G = 5 m + 10 m = **15 m**

Hence, G is **15m, East** with respect to Anita's starting point.