



Date : 23rd Jan 2024

Special Question - Logical Reasoning

English

**Direction (1-3):** Study the following information carefully and answer the question given below-

Point C is 12m west of point A. Point B is 18m north of point A. Point E is 9m south of point D. Point F is 14m west of point E. Point D is 28m east of point B. F is 13m south of point G.

**Q:1** What is the total distance covered from Point C to Point D and in which direction is Point D with respect to Point C?

1. 65, South East
2. 58, North East
3. 48, North West
4. 67, South West
5. 51, North

**Q:2** If point S is 4m south of point G then what is the distance between point B and point S?

1. 28 m
2. 9 m
3. 8 m
4. 14 m
5. None of these

**Q:3** Four of the following five belongs to a group find the one that does not belongs to that group?

1. CB
2. AD
3. AE
4. BG
5. FB

**Q:4** Read the given information carefully and answer the questions given below.

A car moves 8m from Point A in the north direction to reach Point B. Then it turns and moves for 10m in north-west direction. Then it turns and moves 8m in south direction. Then it turns right and moves for 3m to reach point C, which is in the west direction with respect to Point B. Then finally, it turns and moves for 10m in a south-west direction to reach Point D, which is the west direction with respect to Point A.

What is the shortest distance between Point A and Point C?

1. 12 m
2. 13 m
3. 17 m

4. 14 m

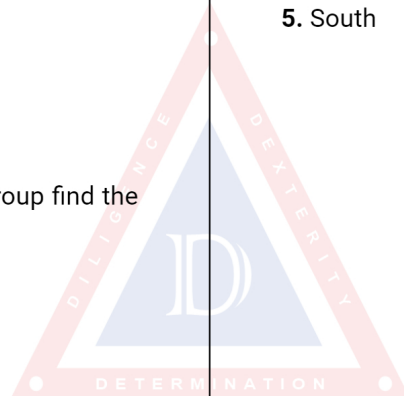
5. None of these

**Q:5** Read the given information carefully and answer the questions given below.

A car moves 8m from Point A in the north direction to reach Point B. Then it turns and moves for 10m in a northwest direction. Then it turns and moves 8m in the south direction. Then it turns right and moves for 3m to reach point C, which is in the west direction with respect to Point B. Then finally, it turns and moves for 10m in a south-west direction to reach Point D, which is the west direction with respect to Point A.

What is the direction of Point D with respect to Point B?

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



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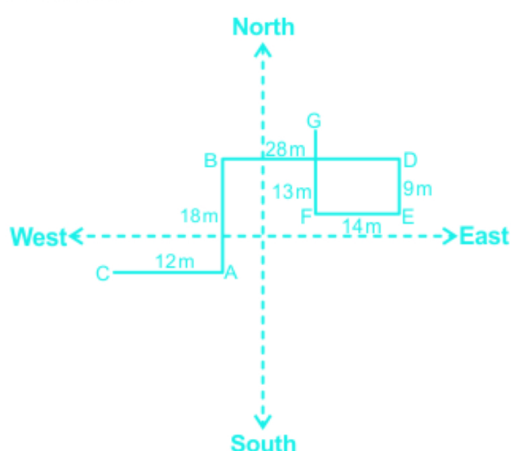
### Answer Key

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

### Answers and Solutions

**Q:1** The correct answer is **option 2 i.e. 58, North East**.

The following diagram can be made out of the given information.



The total distance covered between Point C and Point D.

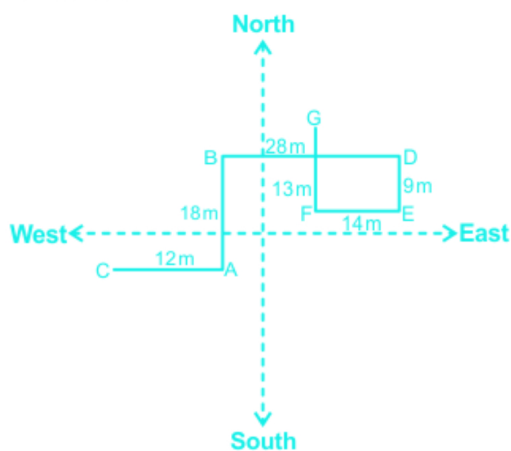
$$12 + 18 + 28 = 58.$$

Point D is in North East direction from Point C.

Hence, **58, North East is the correct answer.**

**Q:2** The correct answer is **Option 4 i.e. 14 m.**

The following diagram can be made out of the given statement:



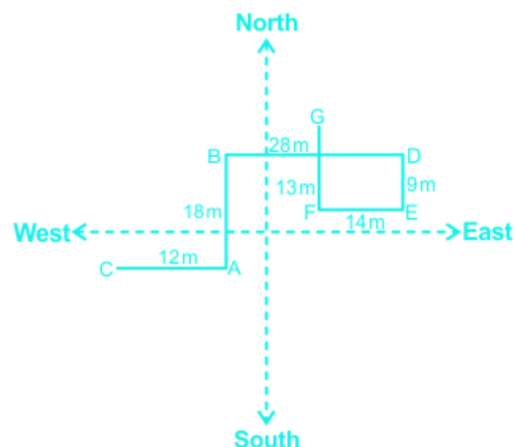
If Point S is 4m in south direction from Point G, then

distance between Point B and S is 14m.

Hence, **14m is the correct answer.**

**Q:3** The correct answer is **option 5 i.e. FB.**

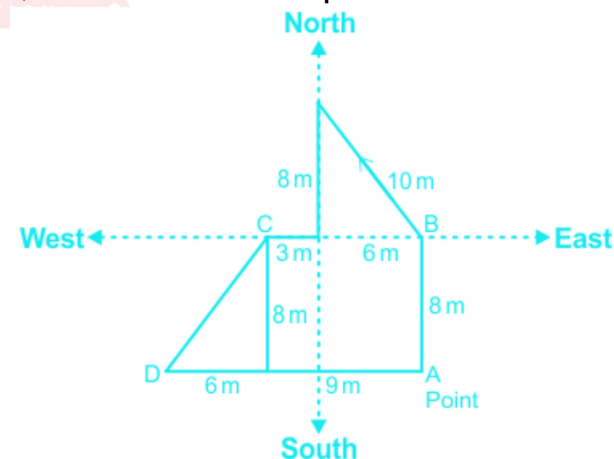
The following diagram can be made out of the given statement.



Let's check each option.

1. CB : Point C is in south west direction from point B.
  2. AD : Point A is in south west direction from point D.
  3. AE: Point A is in south west direction from point E.
  4. BG: Point B is in south west direction from point G.
  5. FB: Point F is in south east direction from point B.
- Hence, **FB is odd one out.**

**Q:4** The correct answer is **option 5 i.e none of these.**



By making the diagram we get the directions and distance traveled by car.

Clearly, the shortest distance between Point A and Point D is  $\sqrt{145}$  m.

Hence, the correct answer is **None of these.**

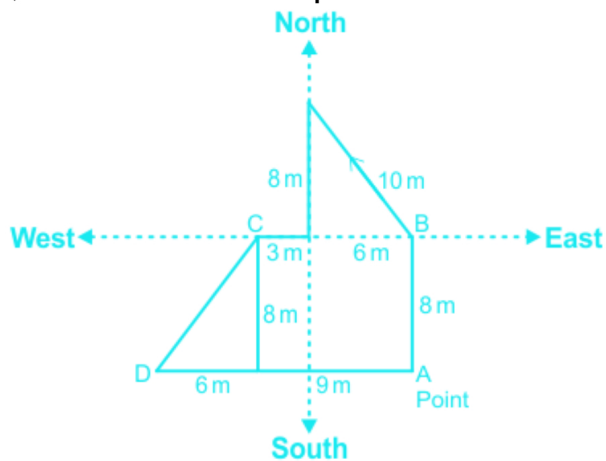


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**Q:5** The correct answer is **option 3** i.e **South-West**.



By making the diagram we get the directions and distance traveled by car.

Clearly, Point D is in the South-West direction with respect to Point B.

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

