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Directions Sense Questions for CGL Tier 1 & SSC 10+2

Directions Sense Quiz 3

Directions: Study the following questions carefully and answer the questions given below.

1. Madhuri travels 14 km West wards and then truns left and travels 6 km and further turns left and travels 26 km. How far is Madhuri now from the starting point?
    A. √180 km   B. √80 km   C. √100 km   D. None of these

2. Sohan drove 15 km to the west from his house, then turned left and drove 20 km. He then turned east and drove 25 km and finally turning left covered 20 km. How far he is from his house?
    A. 40 km   B. 80 km   C. 5 km   D. 10 km

3. From the finishing point if you have to reach the point from where you started, in which direction will you have to run?
    A. North   B. South   C. East   D. West

4. Shahrukh starts driving from point A and drives 12 km towards north. He takes a right turn and drive 20 km. He now drives 8 km after taking a left turn. Finally he takes a left turn; and drives 20 km and stops at point B.

    How far is point A with respect to point B?
    A. 18 km   B. 20 km   C. 35 km   D. 25 km

5. Shahrukh starts driving from point A and drives 12 km towards north. He takes a right turn and drive 20 km. He now drives 8 km after taking a left turn. Finally he takes a left turn; and drives 20 km and stops at point B.

    Towards which direction does Shahrukh move before stopping at point B?
    A. Northwest   B. South   C. Southeast   D. West

6. Sonu walked 25 m towards south and then took a left turn and walked 45 m. Again he took a left turn and walked 25 m. Finally he turned to his right and walked 20 m and stopped. How far and in which direction is Sonu from starting point?
    A. 45 m, South   B. 50 m, West   C. 65 m, East   D. 20 m, North

7. Salman starts from point A and walks 5 kms to the East. Aamir starts from the same point and walks 5 kms to the West. Now, Salman takes a left turn and Aamir takes a right turn, and both walks 5 kms and stop. How far are the two from each other at the point where they finally stop?
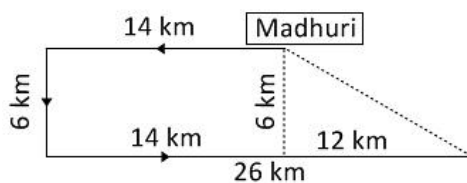   A. 10 kms   B. 15 kms   C. 5 kms
    D. Can't be determined

8. If Sita walks 10 km towards West, then turned towards South and walked 10 km, then turned East walked 10 km, and turned North walked 10 km. How far she is from starting point?

A. 20 km   B. 40 km   C. 10 km   D. 0 km

9. Laxmi went 10 km to the West from my house, then turned left and walked 20 kms. She then turned East and walked 25 kms & finally turning left covered 20 kms. How far was she from my house?

A. 10 kms   B. 15 kms   C. 5 kms   D. 40 kms

10. Ashok started walking towards South. After walking 50 m he took a right turn and walked 30 m. He then took a right turn and walked 100 m. He again took a right turn and walked 30 m and stopped. How far and in which direction was he from the starting point?

A. 50 m South   B. 150 m North   C. 180 m East   D. 50 m North

11. Ravi is walking in the East direction. After covering a distance of one-kilometer, he turns 45° left and then 90° right. In which direction is he now?

A. North   B. North West   C. South East   D. West

12. Veena and Veeru both start from a point towards North. Veena turns to left after walking 10 km. Veeru turns to right after walking the same distance. Veena waits for some time and then walks another 5 km. Whereas Veeru walks only 3 km. They both then return towards South and walk 15 km. How far is Veena from Veeru?

A. 8 km   B. 10 km   C. 12 km   D. 15 km

13. A man goes 24 m towards west and then 10 m towards north. Then the distance of him from the starting point is

A. 17 m   B. 26 m   C. 28 m   D. 34 m

Correct Answers:

1	2	3	4	5	6	7	8	9	10	11	12	13
A	D	D	B	D	C	A	D	B	D	C	A	B

Explanations:

1.

By the Pythagorus, $AB = \sqrt{AC^2 + BC^2} = \sqrt{6^2 + 12^2} = \sqrt{180}$ km
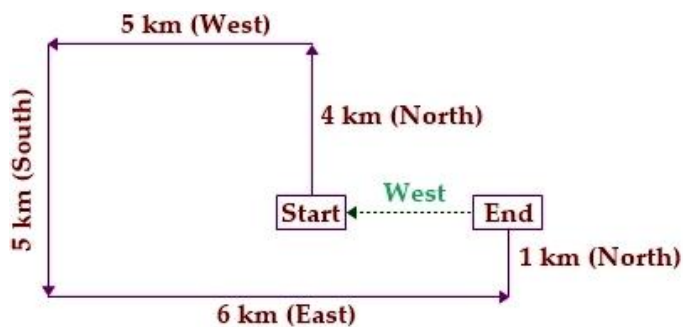
Hence, option A is correct.

2.
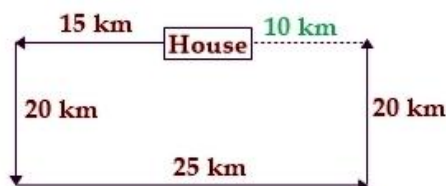
It's clear from the diagram that Sohan's distance = 10 km.
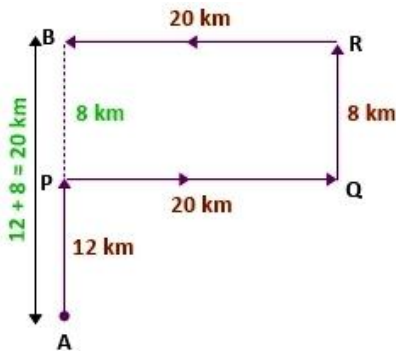Hence, option D is correct.

3.

Therefore, it's clear from the diagram that you have to run in west direction.
Hence, option D is correct.

4.

AB = AP + PB = 12 + 8 = 20 km,
Hence, option B is correct.

5.
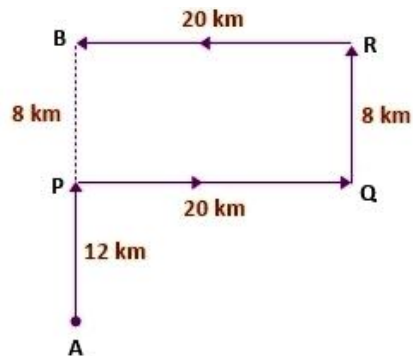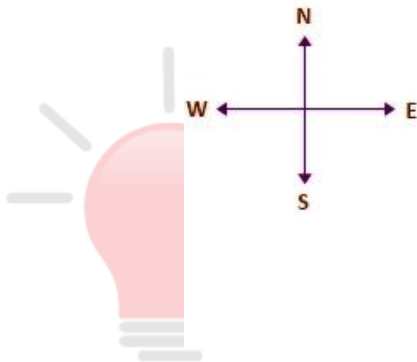
It's clear from diagram that Shahrukh is moving towards west direction.
Hence, option D is correct.

6.
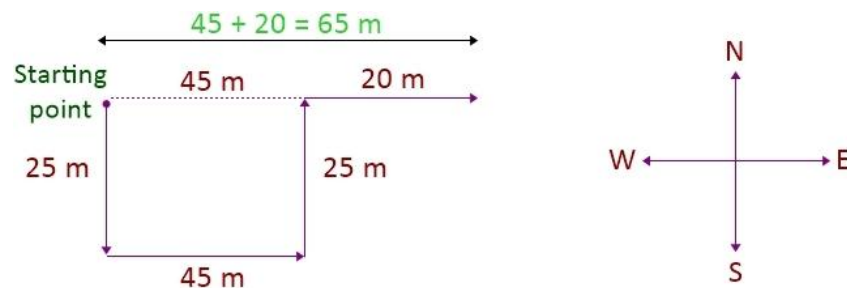
It's clear from the diagram that Sonu is 65 m far from the starting point and facing the East direction.

Hence, option C is correct.

7.
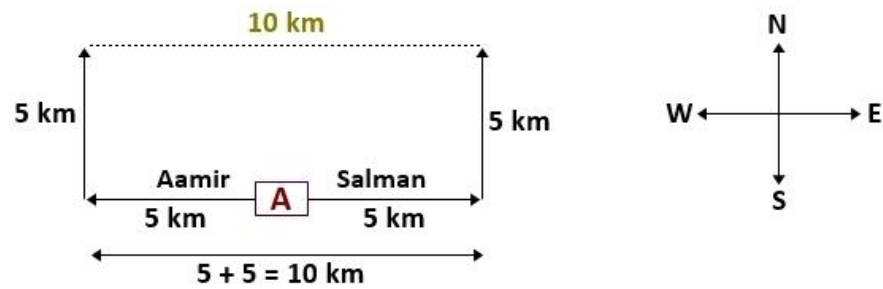
It's clear from the diagram that Salman and Aamir 10 km far from each other at the point where they finally stop.
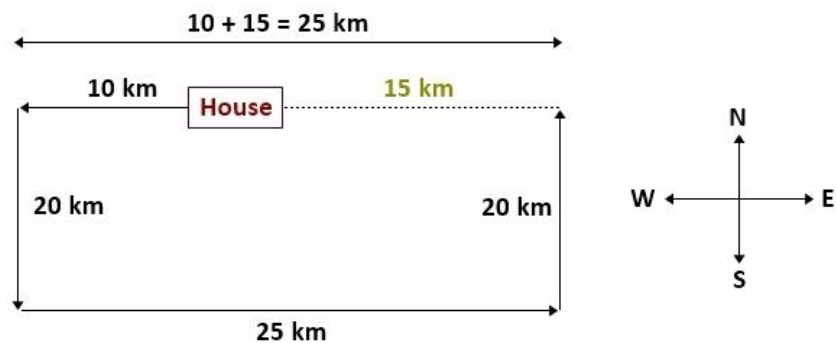Hence, option A is correct.

8.
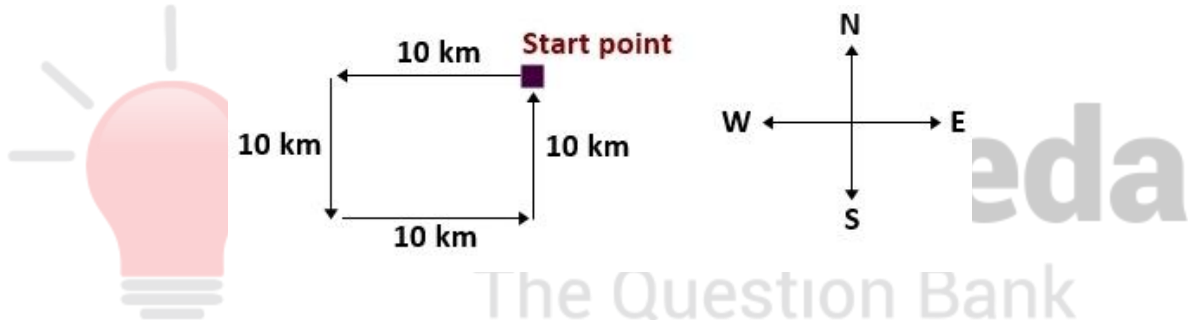
It's clear from the diagram that Sita is 0 km far from the starting point.
Hence, option D is correct.

9.

It's clear from the diagram that Laxmi was 15 kms far from house.
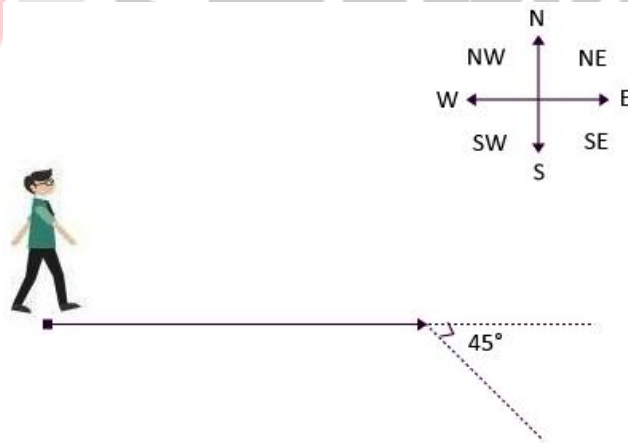Hence, option B is correct.

10.
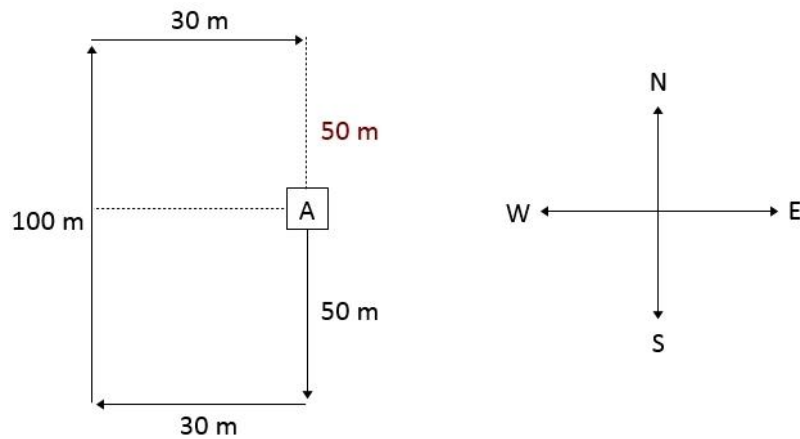
It's clear from the diagram that Ashok is 50 m far from the initial point.
Hence, option D is correct.
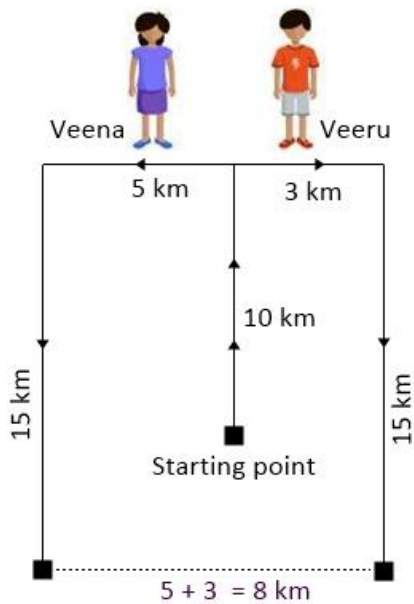
11.
The first angular movement = 45° to the left
Second angular movement = 90° to the right
∴ Resultant angle = (90° − 45°) = 45° towards right and thus the man will be facing south east.

Hence, option C is correct.

12.

Hence, option A is correct.

13.
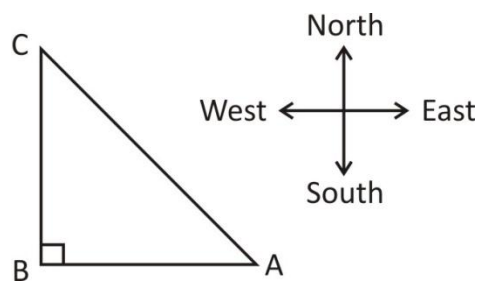
BC = 90°
AB = 24 metre, BC = 10 metre

$$\therefore AC = \sqrt{AB^2 + BC^2}$$

$$= \sqrt{24^2 + 10^2} = \sqrt{676} = 26 \text{ metres}$$

Hence, option B is correct.