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Directions Sense Test Questions for IBPS Clerk Pre Exam

Directions Sense Quiz 37

Directions: Read the instructions carefully and answer the following questions.

On a certain day Ram travelled from his home to playground. When he started walking from his house he was facing north direction and walked 10 m to north. Then he took right turn and walked 15 m. After walking 15 m he again turned right and walked 5 m. He again walked 30 m after turning right. Then he turned to his left and walked 10 m. Then he reached playground.

- 1. What is the distance between Ram's house and playground in straight line?**
A. $\sqrt{225}$ B. $\sqrt{250}$ C. $\sqrt{275}$ D. $\sqrt{215}$ E. None of These
- 2. When Ram started walking from his house in north direction and walked 10 m. Then he took right turn and walked 15 m and reached point L. Then what is the direction of point L with respect to Ram's house?**
A. South B. North East C. West
D. South East E. South West
- 3. If point from where he took last turn to reach ground is point M. Then in which direction is Ram's house with respect to point M?**
A. South B. North East C. West
D. South West E. South East
- 4. Mohan who is Ram's friend is staying 15 m to east of playground. Then what is distance between Mohan and Ram's house?**
A. 5 m B. 15 m C. 10 m D. 20 m E. None of these

5. Ram's office is 20 m to north of Ram's house. What direction of playground with respect to Ram's office?

A. South East

B. North East

C. South

D. West

E. South West



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Correct Answers:

1	2	3	4	5
B	B	E	A	E

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Common Explanation (1-5)

References:

He was facing north direction and walked 10 m to north.

He took right turn and walked 15 m.

After walking 15 m he again turned right and walked 5 m.

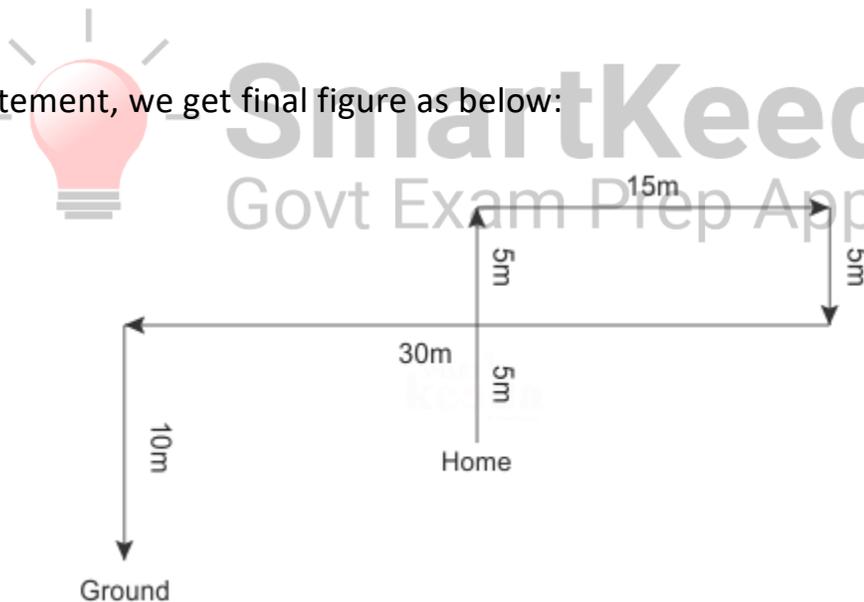
He again walked 30 m after turning right.

He turned to his left and walked 10 m.

Then he reached playground.

Inference:

From above statement, we get final figure as below:



1. Following the common explanation, we get " $\sqrt{250}$ ".

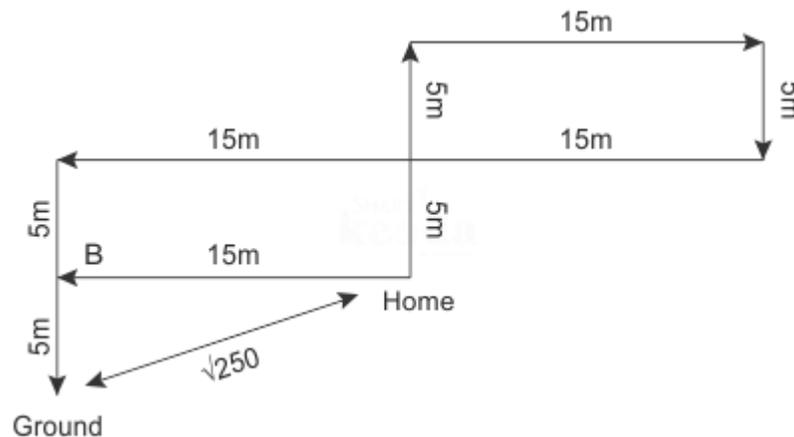
If we draw a straight line from Ram's home to point B as shown in diagram, we get base of right angled triangle which is 15 m. And we get perpendicular of 5 m (point B to Ground). Then hypotenuses can be calculated using Pythagoras theorem.

According to Pythagoras theorem:

$$\text{Distance between Home and Ground} = \sqrt{(15)^2 + (5)^2}$$

$$= \sqrt{225 + 25} = \sqrt{250}$$

Hence, option B is correct.



2. Following the common explanation, we get “North East”.

Hence, option B is correct.

3. Following the common explanation, we get “South East”.

Hence, option E is correct.

4. Following the common explanation, we get “5 m”.

Hence, option A is correct.

5. Following the common explanation, we get “South West”.

Hence, option E is correct.



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