

DIRECTION & DISTANCE SENSE TEST BASED VERBAL REASONING PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

DIRECTIONS:

- i. Point B is 9 km east of point A.
- ii. Point T is 6 km south of point B.
- iii. Point S is 4 km west of point T.
- iv. Point T is 8 km west of point G.

Q1. A person starts from point S, walks 3 km towards south and reaches point D. Next he takes two right turns and reaches point A. How much distance has he travelled?

- a) 20 km
- b) 17 km
- c) 18 km
- d) 14 km
- e) 11 km

Q2. A person is standing on midpoint of line TG. Find his shortest distance from point B?

- a) \$5?14 km\$
- b) \$6?3 km\$
- c) \$3?15 km\$
- d) \$2?13 km\$
- e) None of these

DIRECTIONS:

- i. Point A is 8 m west of point B.
- ii. Point E is 2 m east of point F.
- iii. Point G is 3 m east of point H.
- iv. Point E is 3 m north of point D.
- v. Point C is 9 m west of point D.
- vi. Point G is 9 m north of point F.
- vii. Point C is 6 m south of point B.

Q3. Find distance AH.

- a) 75 m
- b) 66 m
- c) 76 m
- d) 65 m
- e) None of these

Q4. A person starts from point G in east direction. Walks for 6 m, takes a right turn, now walks for 5 m. Now he takes a left turn, walks for 3 m, then after two consecutive right turns he reaches point E. Find the distance travelled by him to reach point E.

- a) 25 m
- b) 23 m
- c) 27 m
- d) 24 m
- e) 28 m

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Q5. A cyclist goes 30 km to North and then turning to East he goes 40 km. Again he turns to his right and goes 20 km. After this he turns to his right and goes 40 km. How far is he from his starting point ?

- a) 10 km
 - b) 40 km
 - c) 20 km
 - d) 25 km
-

Q6. Deepak starts walking straight towards east. After walking 75 metres, he turns to the left and walks 25 metres straight. Again he turns to the left, walks a distance of 40 metres straight, again he turns to the left and walks a distance of 25 metres. How far is he from the starting point ?

- a) 115 metres
 - b) 50 metres
 - c) 25 metres
 - d) 140 metres
 - e) None of these
-

Q7. A man starts walking from a point and walks 12 kms towards north. He turns 90° left and walks a distance and stopped. If the distance between initial point and final positions is 13 kms , how much distance he travelled after turning from the North?

- a) 5 kms
 - b) 2 kma
 - c) 1 km
 - d) 7 kms
-

Q8. Abhay travelled 9 km Northwards, turned left and travelled 5 km, then turned left again and travelled 9 km. How far is Abhay from the starting point?

- a) 9 km.
- b) 14 km
- c) 5 km.
- d) 4 km.

Q9. Tiya started from her home to office. She started in east direction. After walking for 4 km she turned to her left and walked 8 km, now she turned left and walked 2 km. After this she turned to right walked 4 km. Now after turning to her right she walked 13 km and reached office. Find the shortest distance between her office and home.

- a) 341 km
- b) 441 m
- c) 343 m
- d) 538 m
- e) None of these

Q10. Rachel starts walking towards North. After walking 15 metres, she turns towards South and walks 20 metres. She then turns towards East and walks 10 metres. Then, again, she walks 5 metres towards North. How far is she from her starting point and in which direction ?

- a) 5 metres, East
- b) 10 metres, East
- c) 10 metres, West
- d) 5 metres, North

Q11. Deepak starts walking straight towards east. After walking 75 meters, he turns to the left and walks 25 metres straight. Again he turns to the left, walks a distance of 40 meters straight, again he turns to the left and walks a distance of 25 metres. How far is he from the starting point?

- a) 50 metres
- b) None of these
- c) 25 metres
- d) 115 metres

Q12. Raju drives 25 km North and turns left and travels 5 km and reaches point 'O'. He then turns right and covers another 5 kms. Afterwards turns to east and

drives 5 km. How much distance he has to travel to go back to the starting point?

- a) 25 kms
- b) 20 kms
- c) 35 kms
- d) 30 kms

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Q13. An insect is walking in a straight line. It covers a distance of 15 cm per minute. It comes back 2.5 cm after every 15 cm. How long will it take to cover a distance of 1 metre ?

- a) 8 min
- b) 12 min
- c) 6.5 min
- d) 10 min

Q14. 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) 0 km
- b) 20 km
- c) 40 km
- d) 10 km

Q15. Mr. Das started his journey from his house straight to his friend's house at a distance of 12 km. On returning he walked 8 km in the same route and turned right and walked 4 km, then he turned to his left and walked 4 km. Finally he turned to his left and walked 2 km. How far was he from his house ?

- a) 4 km
- b) 2 km
- c) 8 km
- d) 6 km

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Answers to the above questions :

Q1. Answer: (c)

Let after first right turn he is at point K. Since after turn from K he reaches at point A so point K is in south of point A.

So he has travelled $SD + DK + KA = 3 + (9-4) + (3+6) = 17$ km

Q2. Answer: (d)

Let that point be Y. So Midpoint of TG means $TY = \frac{8}{2} = 4$ km

So $BY = \sqrt{(BT^2 + TY^2)} = \sqrt{(6^2 + 4^2)} = \sqrt{52} = 2\sqrt{13}$ km

Q3. Answer: (d)

Vertical distance = $GF - (CB - ED) = 9 - (6-3) = 6$

Horizontal distance = $AB + (CD - (HG + FE)) = 8 + (9 - (3+2)) = 12$

Required distance $AH = \sqrt{(6^2 + 12^2)} = 6\sqrt{5}$ m

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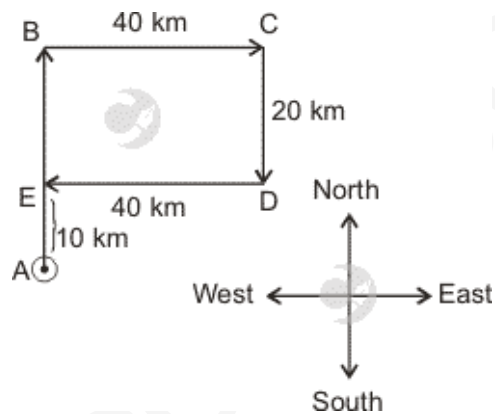
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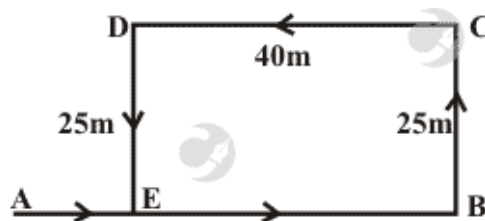
Q4. Answer: (a)

$$6 + 5 + 3 + (9-5) + (3+4) = 25 \text{ m}$$

Q5. Answer: (a)



Q6. Answer: (e)



The movements of Deepak are as shown in Figure.

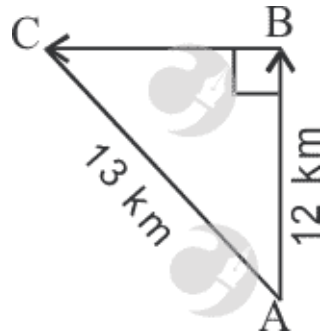
Clearly, $EB = DC = 40\text{m}$.

? Deepak's distance from the starting point A

$$= (AB - EB) = (75 - 40)$$

$$= 35 \text{ m.}$$

Q7. Answer: (a)

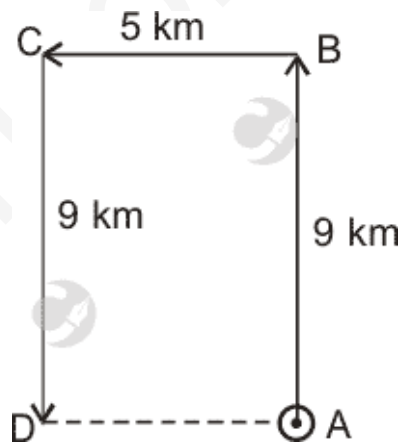


$$BC = \sqrt{13^2 + 12^2}$$

$$= \sqrt{169 + 144}$$

$$= \sqrt{25} = 5 \text{ km}$$

Q8. Answer: (c)

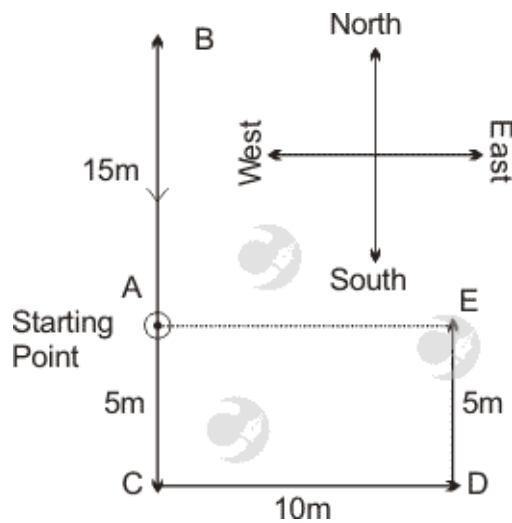


$$AD = 5 \text{ km.}$$

Q9. Answer: (a)

$$\sqrt{15^2 + 12^2} = 18.75 \text{ km}$$

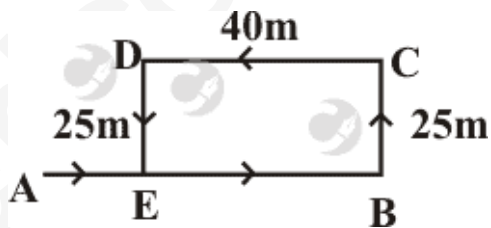
Q10. Answer: (b)



Required distance = AE = 10m

Rachel is 10 metres towards East from the starting point.

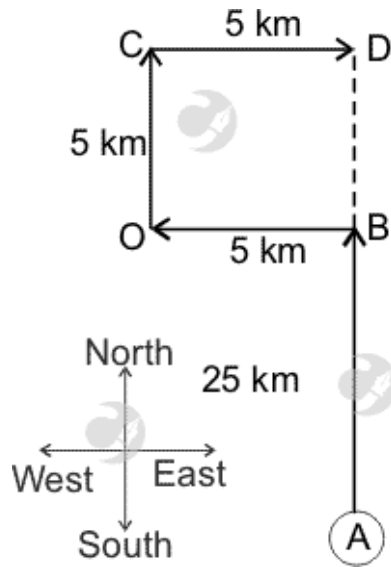
Q11. Answer: (b)



The movements is shown in figure— Clearly, EB = DC = 40 m.

So, distance from the starting point A = (AB – EB) = (75 – 40) m = 35 m.

Q12. Answer: (d)



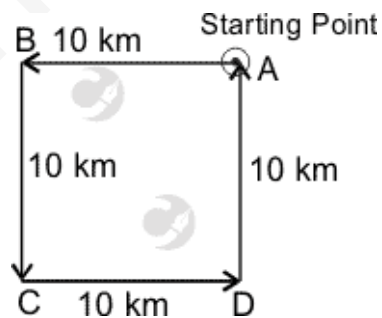
Required distance AD
 $= (25 + 5) \text{ km} = 30 \text{ km}$

Q13. Answer: (a)

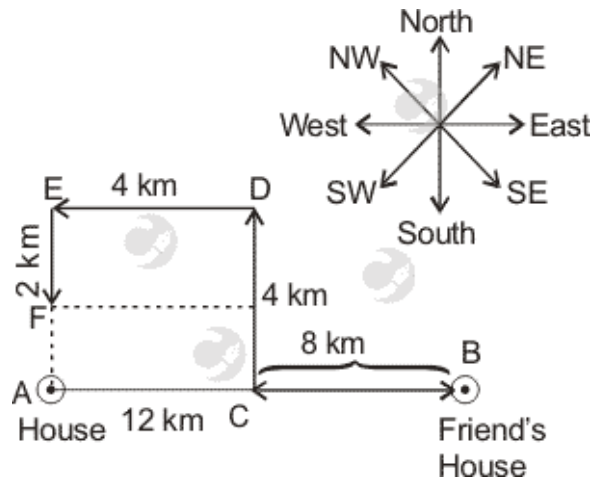
The insect covers $15 - 2.5 = 12.5 \text{ cm}$ in one minute.

So, it will cover 1 metre (= 100 cm) in $100/12.5 = 8$ minutes

Q14. Answer: (a)



Q15. Answer: (b)



Required distance = AF

= 2 km

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