

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:

Study the informations and answer the question given below:

- i. Eight friends, A, B, C, D, E, F, G and H are sitting in a square dining table.
- ii. Seven poles A, B, C, D, E, F and G are put in such a way that the distance between the next two decreases by 1 metre.
- iii. The distance between the first two poles, A and B, is 10 metres.

Now answer the following questions.

Q1. If the authorities decide to remove one pole and place the remaining on equal distances among the poles, then each set of two poles would be metres apart.

- a) 9
- b) 8
- c) 7
- d) 5
- e) None of these

Q2. If a monkey hops from pole G to pole C, then how much distance did it cover ?

- a) 22 k
- b) 26 km
- c) 19 km
- d) 25 km
- e) None of these

Q3. What is the distance between the first pole A and the last pole G ?

- a) 45 m
- b) 40 m
- c) 49 m
- d) None of these
- e) cannot be determine.

Q4. Aditya went 15 kms to the west from his house, then turned left and walked 20 kms. He then turned East and walked 25 kms and finally turning left covered 20 kms. How far was he from his house?

- a) 10 kms
- b) 80 kms
- c) 5 kms
- d) 40 kms

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Q5. Gaurav walks 20 metres towards North. He then turns left and walks 40 metres. He again turns left and walks 20 metres. Further, he moves 20 metres after turning to the right. How far is he from his original position?

- a) 30 metres
- b) 60 metres
- c) 20 metres
- d) 50 metres

Q6. A and B both are walking away from point 'X'. A walked 3 m and B walked 4 m from it, then A walked 4 m north of 'X' and B walked 5 m south of A. What is the distance between them now ?

- a) 9 m
 - b) 11.40 m
 - c) 9.5 m
 - d) 16 m
-

Q7. Sonia started from her house and travelled 4 km towards east. Then she turned left and travelled 6 km. Then she turned right and travelled 4 km. Now at what distance is she from starting point ?

- a) 8 km
 - b) 10 km
 - c) 14 km
 - d) 5 km
-

Q8. Kalpana travelled from point B to straight to C a distance of 8 feet She turned left and walked 5 feet away. Again she turned left and walked 7 feet and finally turned left and walked 5 feet. How far is she from the starting point?

- a) 4 feet
 - b) 5 feet
 - c) 3 feet
 - d) 1 feet
-

Q9. walks a distance of 3 km towards North, then turns to his left and walks for 2 km. He again turns left and walks for 3 km. At this point he turns to his left and walks for 3 km. How many kilometres is he from the starting point?

- a) 3km
 - b) 1km
 - c) 2km
 - d) 5 km
 - e) None of these
-

Q10. Sharma walked 30 metres towards South, took a left turn and walked 15 metres. He then took a right turn and walked 20 metres. He again took a right turn and walked 15 metres. How far is he from the starting point?

- a) 50 metres
 - b) 70 metres
 - c) 95 metres
 - d) Cannot be determined
 - e) None of these
-

Q11. Sohan drove 15 kms. to the west from his house, then turned left and walked 20 kms. He then turned East and walked 25 kms. and finally turning left covered 20 kms. How far he is from his house?

- a) 40 Kms.
 - b) 80 Kms
 - c) 5 Kms.
 - d) 10 Kms.
-

Q12. Raju was to go to the planetarium. So he walked 1.5 kms towards east from the place and then turned to right and walked 2.5 kms and then turned towards east and walked 1 km and turned to south and walked 4 kms and reached the place by walking 2.5 kms towards west. What distance is he from the starting point ?

- a) 9.5 kms
- b) 9 kms
- c) 6.5 kms
- d) 10 kms

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Q13. John's house is 100 metres North of his uncle's office. His uncle's house is located 200 metres West of his (uncle's) office. Kabir is the friend of John and he stays 100 metres East of John's house. The office of Kabir is located 100 metres South of his house. Then how far is his uncle's house from Kabir's office?

- a) 300 metres
- b) 500 metres
- c) 200 metres
- d) 400 metres

Q14. A postman was returning to the post office which was in front of him to the north. When the post office was 100 metres away from him, he turned to the left and moved 50 metres to deliver the last letter at Shantivilla. He then moved in the same direction for 40 metres, turned to his right and moved 100 metres. How many metres was he away from the post office ?

- a) 150
- b) 90
- c) 0
- d) 100
- e) None of these

Q15. A person starts walking in south and after walking 20 meters he took a left turn and walks 30 meter and finally took a right turn and stopped after walking 40 meters. Find the distance between his initial position to final position?

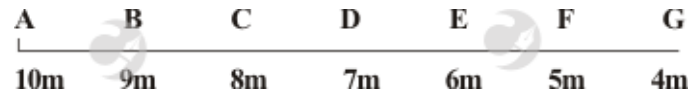
- a) \$30?5\$
- b) \$40?5\$
- c) \$20?5\$
- d) \$55?5\$
- e) None of these

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Answers to the above questions :

Q1. Answer: (a)

After removing the pole the remaining poles are 6 then distance between two poles would be $45 \div 5 = 9\text{m}$.



Q2. Answer: (b)

The distance between pole G and C = $8 + 7 + 6 + 5 = 26\text{m}$

Q3. Answer: (a)

The distance between A and G = $(10 + 9 + \dots + 5)$.

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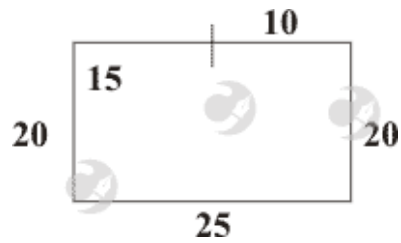
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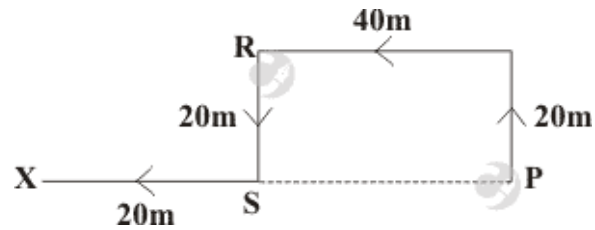
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Q4. Answer: (a)

10 km



Q5. Answer: (b)



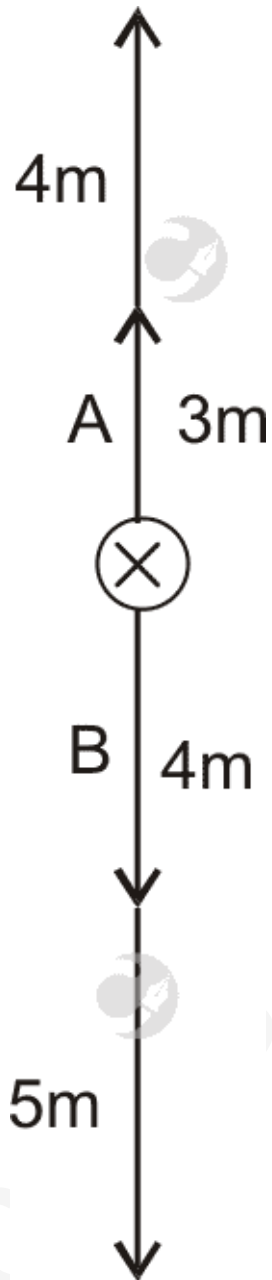
The movements of Gaurav are as shown in Fig.

Clearly, Gaurav's distance from his initial position

$$P = PX = (PS + SX)$$

$$= (QR + SX) = (40 + 20)m = 60.$$

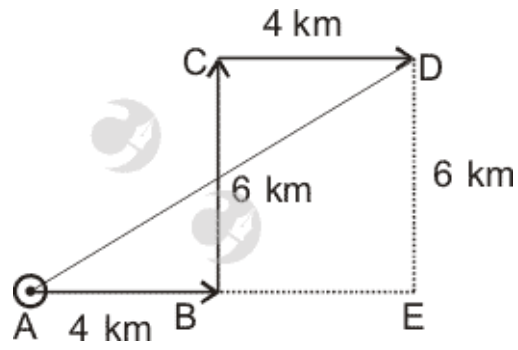
Q6. Answer: (d)



Distance between A and B

$$= 4 + 3 + 4 + 5 = 16\text{m}$$

Q7. Answer: (b)



Required distance

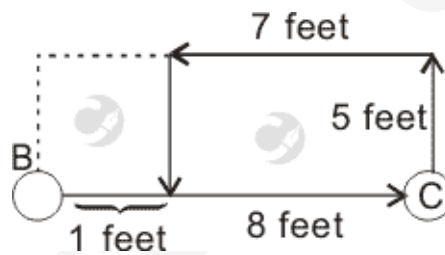
$$AD = \sqrt{AE^2 + DE^2}$$

$$= \sqrt{8^2 + 6^2}$$

$$= \sqrt{64 + 36}$$

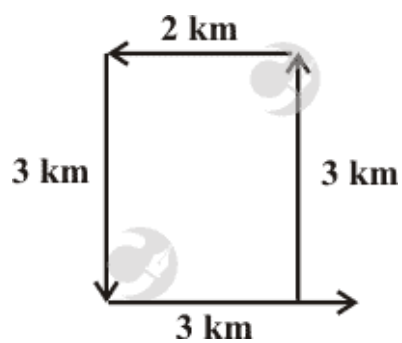
$$= \sqrt{100} = 10 \text{ km}$$

Q8. Answer: (d)



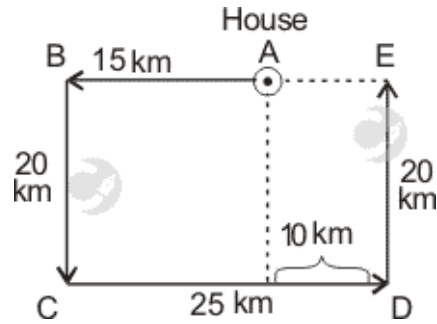
Required distance = 1 feet

Q9. Answer: (b)



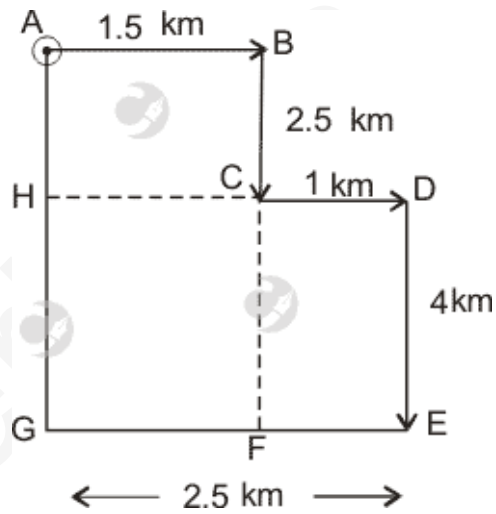
Q10. Answer: (a)

Q11. Answer: (d)



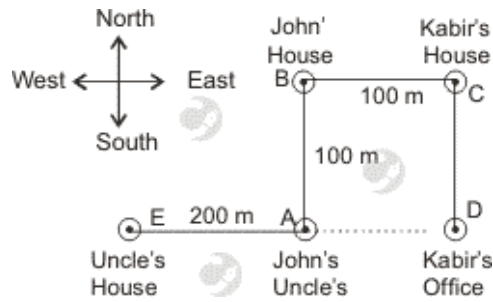
AE = 10 km

Q12. Answer: (c)



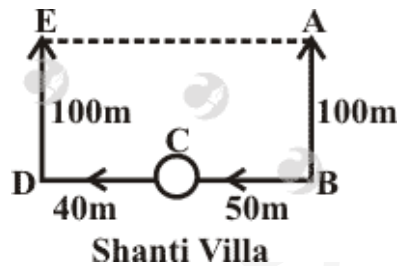
Required distance = AG
= 2.5 km + 4 km
= 6.5 km

Q13. Answer: (a)



Required distance
 = (200 + 100) metres
 = 300 metres

Q14. Answer: (b)



Clearly, the route of the postman is as shown.
 So, at the final point the distance of postman from the post office
 = EA = BD
 = BC + CD
 = (50 + 40) = 90m.

Q15. Answer: (a)

$$\text{distance} = \sqrt{60^2 + 30^2} = \sqrt{4500} = 30\sqrt{5}$$

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