

# 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 P is 5 m south of point A.
- ii. Point T is 8 m east of point Q.
- iii. Point Z is 4 m west of point V.
- iv. Point P is 6 m west of point B.
- v. Point V is 6 m south of point T.
- vi. Point Q is 4 m south of point B.

**Q1.** Find distance AZ.

- a) 13 m
- b) 14 m
- c) 13 m
- d) 15 m
- e) 11 m

**Q2.** A person starts from point B in north direction. Walks for 6 m and reaches point C, takes a right turn walks for 5 m reaches point F. Again he takes a right turn, walks for 3 m, reaches point H, now takes a left turn, reaches point K, now takes a final right turn to reach point T. Find the area enclosed by points B, Q, T, K, H, F and C.

- a)  $65\text{m}^2$
- b)  $71\text{m}^2$
- c)  $58\text{m}^2$
- d)  $76\text{m}^2$
- e) None of these

**Q3.** Prakash travelled 6 km northward, then turned left and travelled 4 km, then turned left and travelled 6 km. How far was Prakash from the starting point?

- a) 4 km
- b) 8 km
- c) 6 km
- d) 10 km

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**Q4.** Rohit drives his car from Bangalore towards Mysore. At a distance of 80 km, he turns right and proceeds for 50 km. Again he turns right and travels for 70 km. Finally he turns again towards right and travels for 50 km and stops there. How far is Rohit from Bangalore?

- a) 40 km
- b) 30 km
- c) 10 km
- d) 20 km

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**Q5.** Neha travelled from a point X straight to point Y at a distance of 50 meters. He turned to his right and walks 50 meter more, then again turned right and walks 60 meter. Finally, he turned to right and walks 50 meters. How far is he from the starting point?

- a) 20
  - b) 30
  - c) 10
  - d) 40
  - e) None of these
-

**Q6.** Sanmitra walks 4 kms. towards north, turns right and walks 5 k.m. Then he turns towards south and walks 2 k.m. Again he takes a turn towards west walks 3 km and stops for a while. Then he further walks 2 km. What is the distance of Sanmitra from starting point ?

- a) 2 k.m.
  - b) 3 k.m
  - c) 16 k.m.
  - d) 4 k.m.
- 

**Q7.** Somu travelled from a point A straight to B, a distance of 12 km. He turned right and travelled 8 km and reached point C. From that point took right turn and travelled 6 km, and reached point D. How far is he away from the starting point ?

- a) 12 km
  - b) 14 km
  - c) 10 km
  - d) 13 km
- 

**Q8.** A man starts from his office and goes 5 km East. Then, he turns to the left and again walks for 3 km. Again he turns left and walks 5 km. At what distance is he from the starting point ?

- a) 4 km
  - b) 7 km
  - c) 3 km
  - d) 6 km
- 

**Q9.** Ram walks 12 kms to the North, then 10 kms to West, 12 kms to South. How far is Ram from the starting point ?

- a) 13 kms
- b) 10 kms
- c) 9 kms

d) 8 kms

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**Q10.** A man travels 3 km in the East and turns to South and moves 4 km. How far is he from the starting point ?

- a) 6 km
  - b) 10 km
  - c) 5 km
  - d) 2 km
- 

**Q11.** A person starts from point T in east direction. Walks 6 m and turns right. Next walks 4 m and turns left. Next walks 3m and turns right. Now cycles for 8 km and stops. Find his distance from T.

- a) 231 m
  - b) 15 m
  - c) 17 m
  - d) 721 m
  - e) 12 m
- 

**Q12.** A man travels 4 km due north, then travels 6 km due east and further travels 4 km due north. How far he is from the starting point ?

- a) 10 km
- b) 14 km
- c) 8 km
- d) 6 km

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**Q13.** Kashish goes 30 metres North, then turns right and walks 40 metres, then again turns right and walks 20 metres, then again turns right and walks 40 metres. How many metres is he from his original position ?

- a) 20
- b) 10
- c) 0
- d) 40

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**Q14.** Karthik travelled 3 km east, then took a right turn and travelled 4 kms. How far is he from starting point ?

- a) 12 kms
- b) 7 kms
- c) 5 kms
- d) 3 kms

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**Q15.** A postman starts delivering letters 3 km southwards and then turns right. He covers 4 km on this road and again turns right. He delivers letters for 3 km and completes his daily beat. Then, he turns left for lunch at home, which is 5 km away. How far has he to travel to reach the post-office after lunch ?

- a) 10 km
- b) 8 km
- c) 15 km
- d) 9 km

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**Answers to the above questions :**

**Q1. Answer: (c)**

Vertical distance =  $5+4+6 = 15$  m

Horizontal distance = (PB) + (QT – CV) = 6 + (8-4) = 10 m

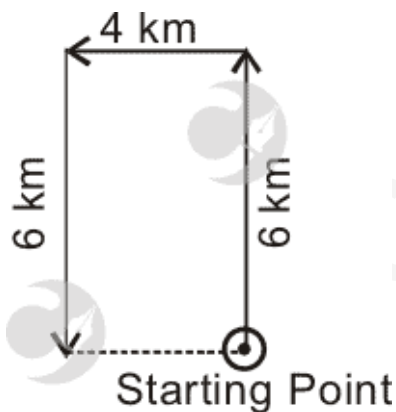
So AZ =  $\sqrt{(15^2 + 10^2)}$  = 18.03 m

**Q2. Answer: (b)**

The area will be = Ar. of rectangle QCFD + Ar. of DHKT

=  $10 \times 5 + 3 \times 7 = 71 \text{ m}^2$

**Q3. Answer: (a)**



Required distance = 4 km

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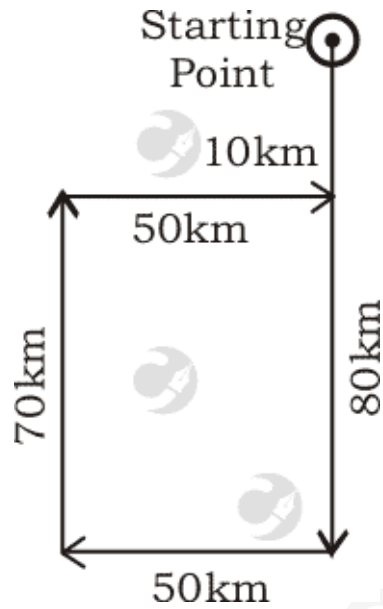
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**Q4. Answer: (c)**

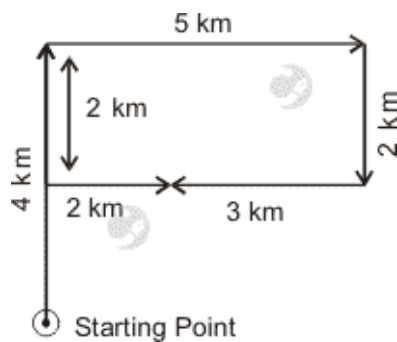
Mysore is to the south of Bangalore.



Now, Rohit is 10km from Bangalore.

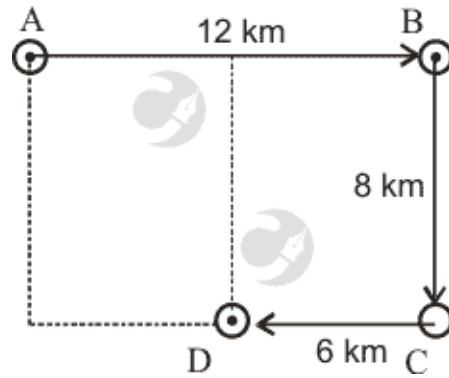
**Q5. Answer: (c)**

**Q6. Answer: (a)**



Required distance = 2 km

**Q7. Answer: (c)**



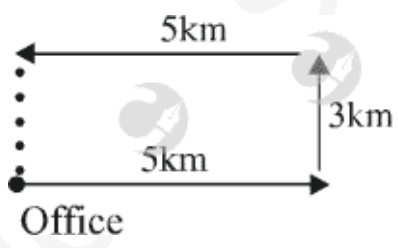
Required distance

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

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

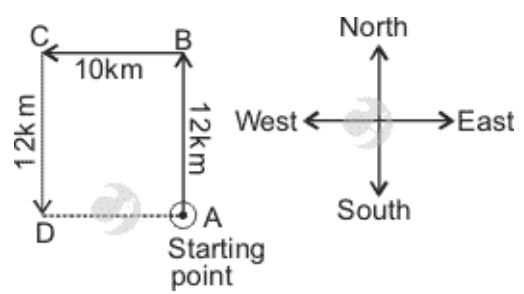
$$= \sqrt{100} = 10 \text{ km}$$

**Q8. Answer: (c)**



The man is 3 km away from his office.

**Q9. Answer: (b)**

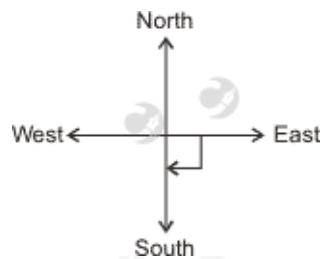
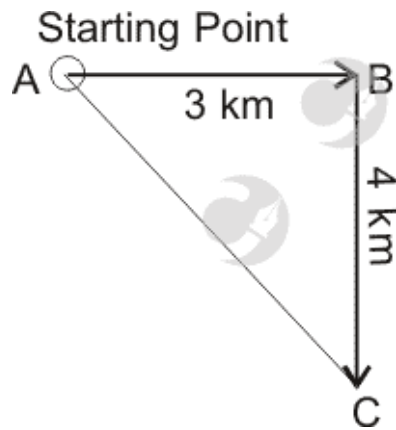




Required distance = AD

= 10 km

**Q10. Answer: (c)**



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

$$= \sqrt{3^2 + 4^2}$$

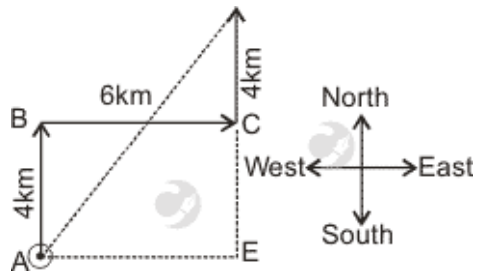
$$= \sqrt{9 + 16}$$

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

**Q11. Answer: (b)**

$$\text{Distance} = \sqrt{[(6+3)^2 + (4+8)^2]} = 15 \text{ m}$$

**Q12. Answer: (a)**



Required distance

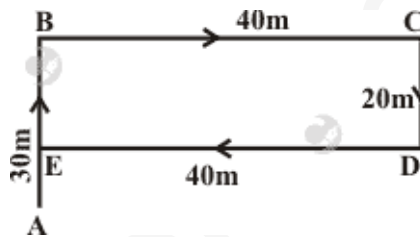
$$AD = \sqrt{DE^2 + AE^2}$$

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

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

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

**Q13. Answer: (b)**



The movements of Kashish are as shown in Figure.

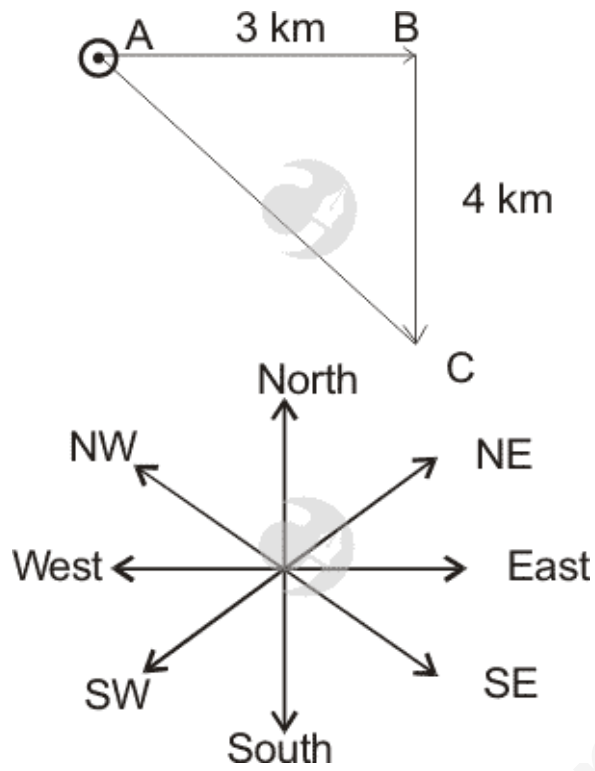
(A to B, B to C, C to D, D to E)

? Kashish's distance from his original position

$$A = AE = (AB - BE) = (AB - CD)$$

$$= (30 - 20) = 10\text{m.}$$

**Q14. Answer: (c)**



Required distance

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

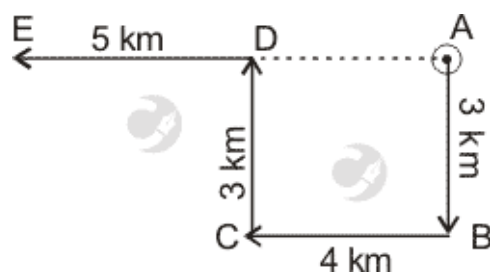
$$= \sqrt{3^2 + 4^2}$$

$$= \sqrt{9 + 16}$$

$$= \sqrt{25}$$

$$= 5 \text{ km}$$

**Q15. Answer: (c)**



Required distance

$$= AE = AD + DE$$

$$= 4 \text{ km} + 5 \text{ km} = 9 \text{ km}$$

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