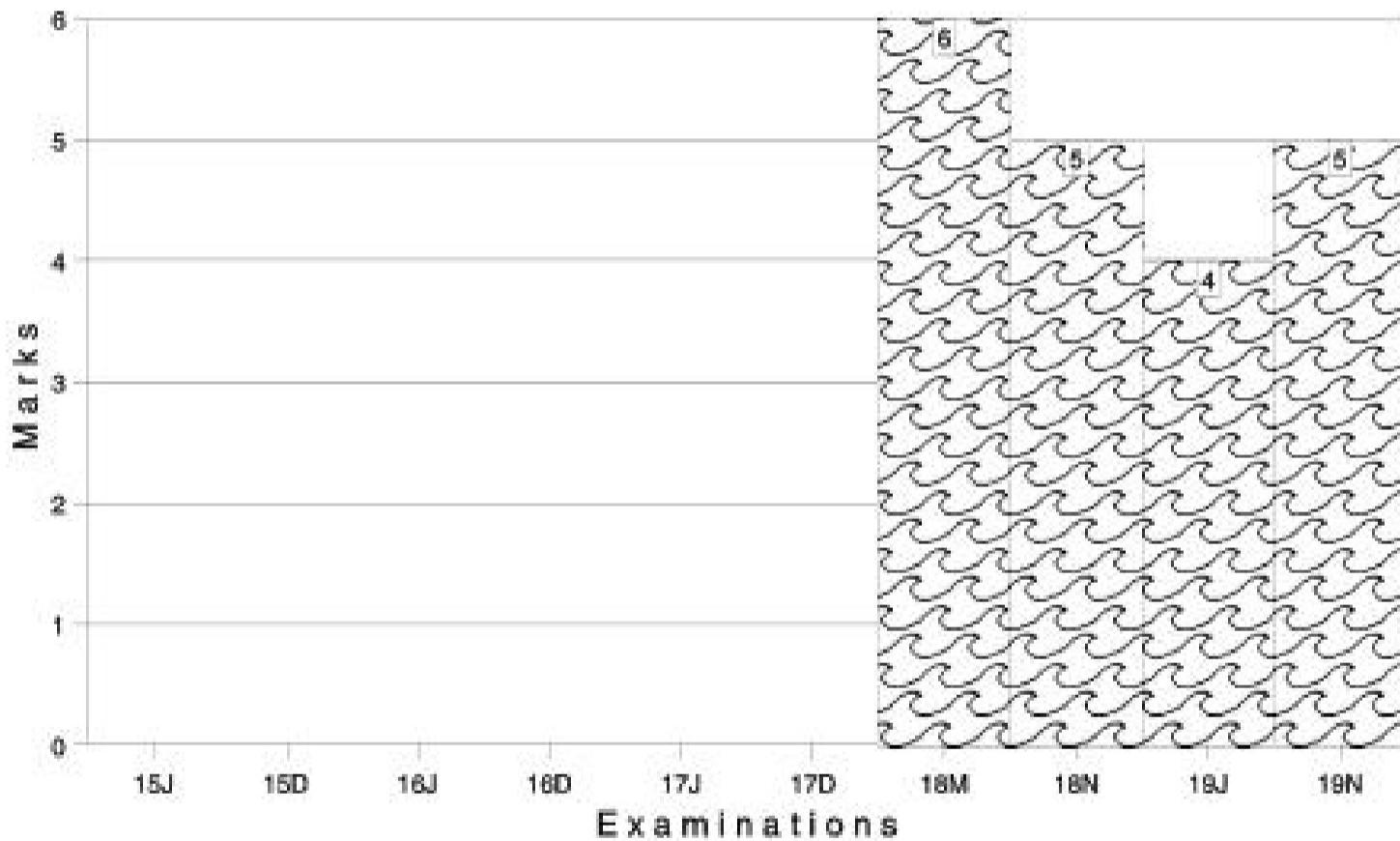
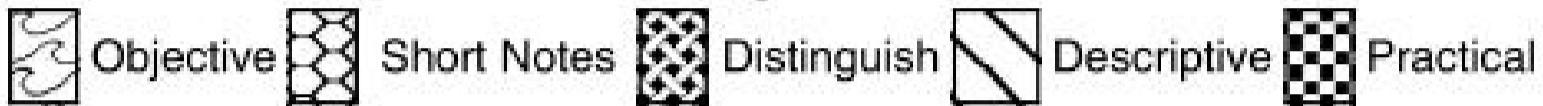


**CHAPTER****10****DIRECTION TESTS**

Marks of Objective, Short Notes, Distinguish Between, Descriptive & Practical Questions

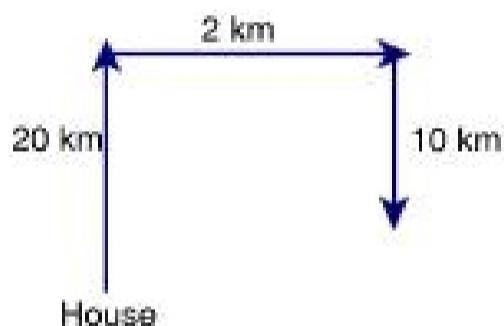
**Legend**

For detailed analysis Login at [www.scannerclasses.com](http://www.scannerclasses.com)  
for registration and password see first page of this book.

## **PRACTICE QUESTIONS OF MCQ**

**Q.1:** Jairaj started from her house walked 20 km towards North. Now, he took a right turn and moved 2 km. Again he took right turn and walked for 10 km. In which direction he is going?

**Answer:**

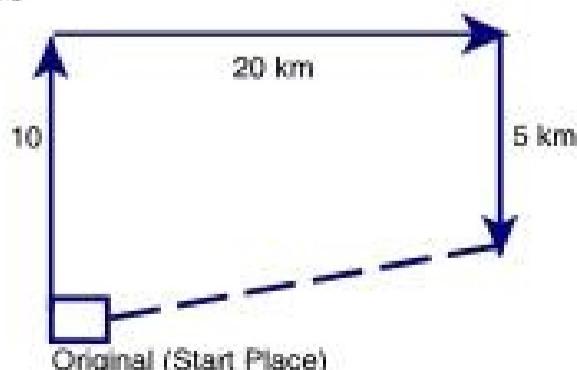


## Moving towards South

**Q.2:** Raj moved 10 km towards North, now he took a right turn and moved 20 km. again took turn towards South and moved upto 5 km. From the original position he is in which direction.

(a) North (b) South  
(c) N-E (d) S-E

### Answer:

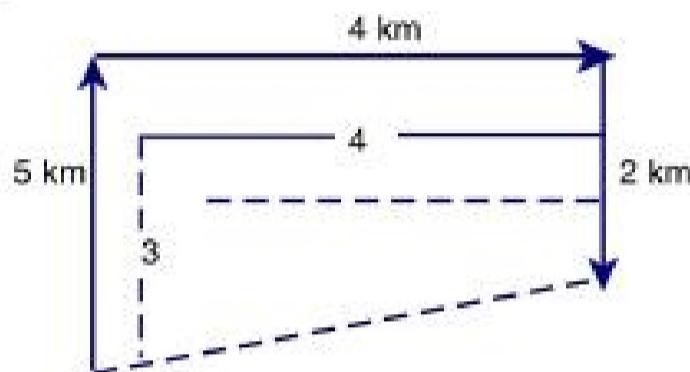


Now he is in N-E direction

**Q.3:** Jai is going towards North upto 5 km he turned clockwise and moved upto 4 km and he took right turn moved upto 2 km. Find his distance from the start place.

(a) 2 km (b) 3 km  
(c) 4 km (d) 5 km

**Answer:**



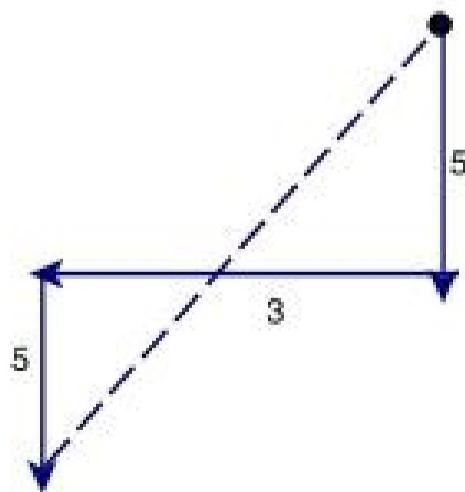
5 km from the start point.

**Q.4:** A man walks 5 km toward South and then turns to the right. After walking 3 km he turns to the left and walks five km. Now his direction from starting point is?

(a) West (b) North  
(c) N-E (d) S-W

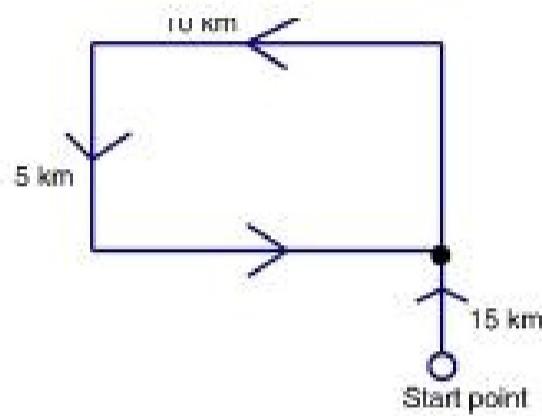
**Answer:**

S-W



**Q.5:** From his house, Aditya went 15 km to the North. Then he turned west and covered 10 km. Then he turned South and covered 5 km. Finally turning to the East, he covered 10 km. In which direction is he from his house?

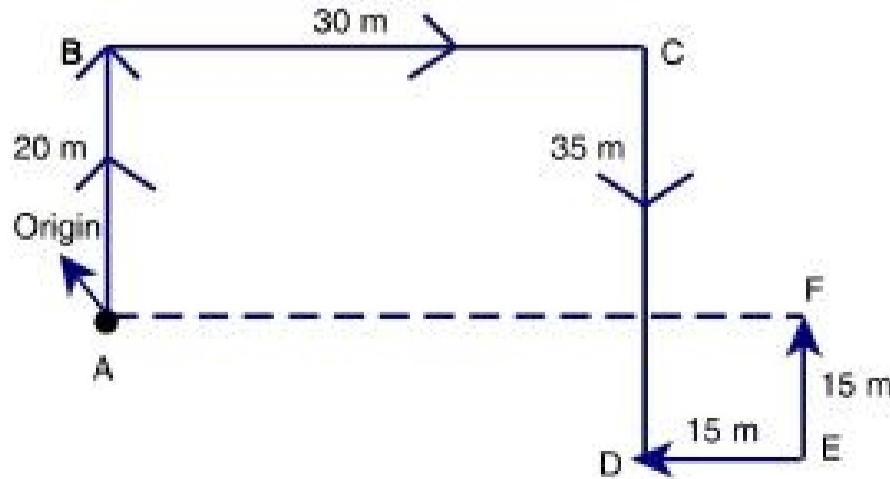
**Answer:**



He is in North.

**Q.6:** Aditya walked 20 m towards North. Then he turned right and walks 30 m. Then he turns right and walk 35 m. Then he turns left and walk 15 m. Finally he turns left and walk 15 m. In which direction and how many meters is he from the starting point?

**Answer:**

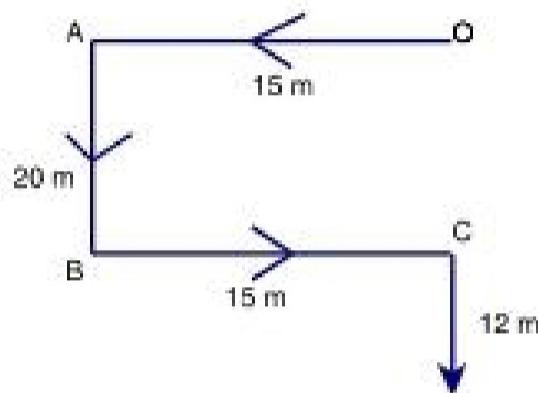


## Hole in 45 m in East

**Q.7:** Starting from the points O, Vaibhav walked 15 m towards West. He turned left and walked 20 m. Again turned left and walked 15 m. Now he turned to his right and walked 12 m. How far he is now from the point O.

(a) 32 m (b) 47 m  
(c) 42 m (d) 27 m

**Answer:**

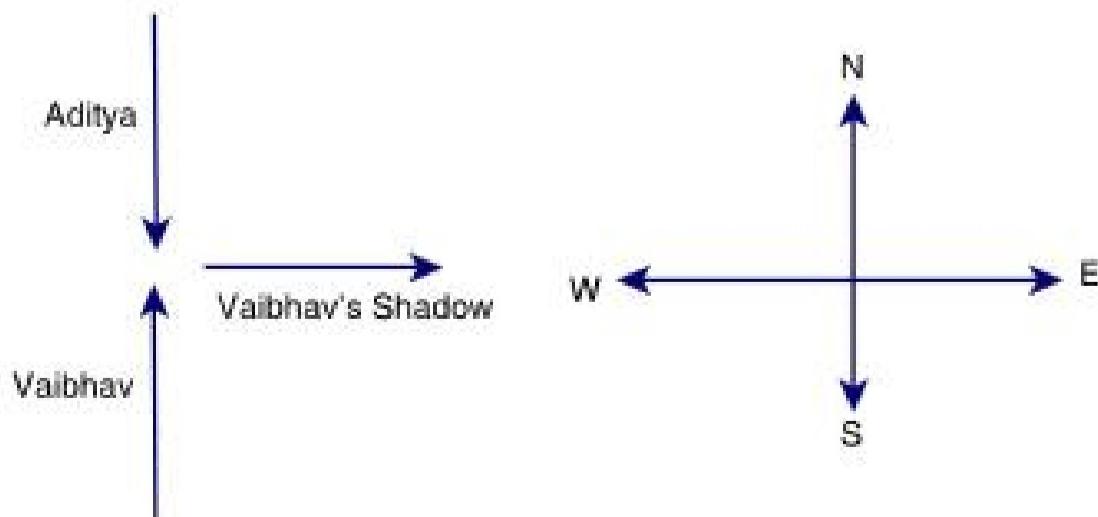


Now he is 32 m away from the points O.

**Q.8:** One evening before sunset Aditya and Vaibhav were talking, to each other face to face. If Vaibhav's shadow was exactly to the right of Vaibhav. Which direction was Aditya facing?

(a) North (b) South  
(c) East (d) West

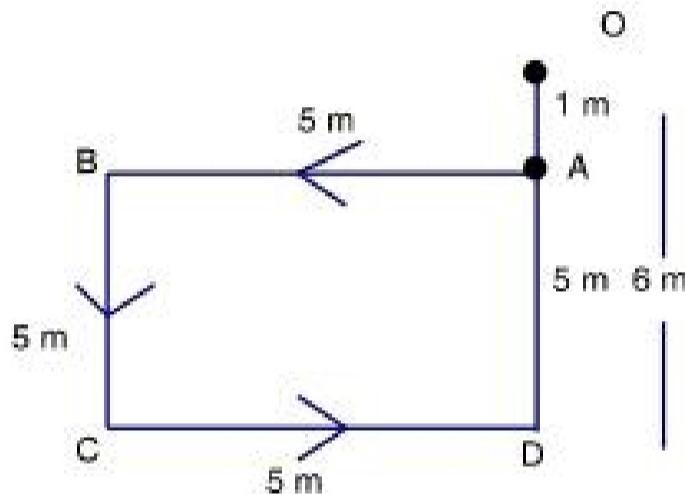
**Answer:**



**Q.9:** Jay(Starts from A) walked 5 m towards West, then turned left and walked 5 m. again turned left and walked 5 m. again turned left and walked 6 m. How far he is from A.

(a) 1 m (b) 2 m  
(c) 3 m (d) 4 m

**Answer:**

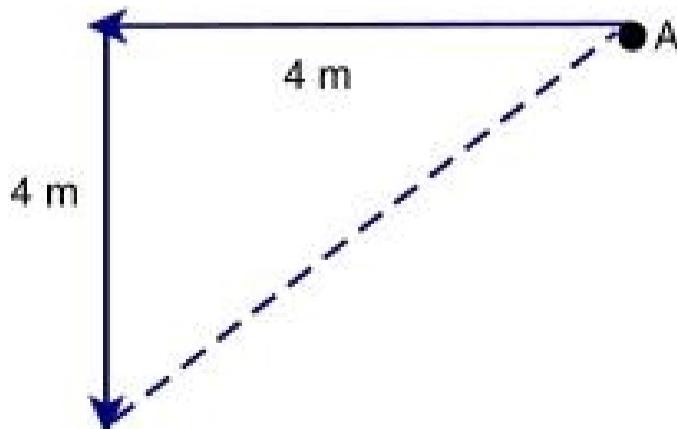


He is 1 m away.

**Q.10:** Raj started from point A, and walked towards West 4 m, then he turned towards South upto 4 m. In which direction he is from start point.

(a) W-S (b) N-E  
(c) South (d) West

**Answer:**

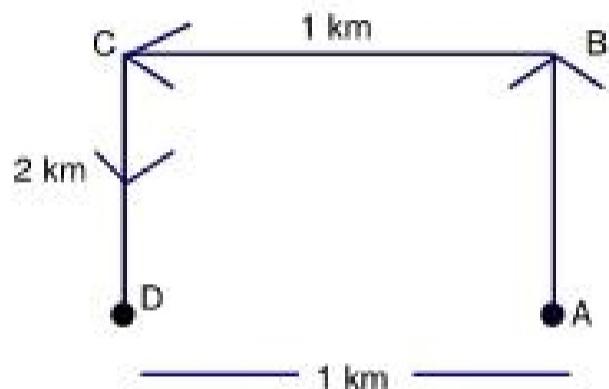


He is in South - West direction.

**Q.11:** A boy rode his bicycle Northward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km West of his starting point. How far did he ride Northward initially?

(a) 1 km (b) 2 km  
(c) 3 km (d) 4 km

**Answer:**



The boy rode 2 km Northward.

**Q.12:** A man starts from a point, walk 3 km towards North, turns towards his right and walks 3 km, turns right again and walk. What is the direction now he is facing?

### Answer:

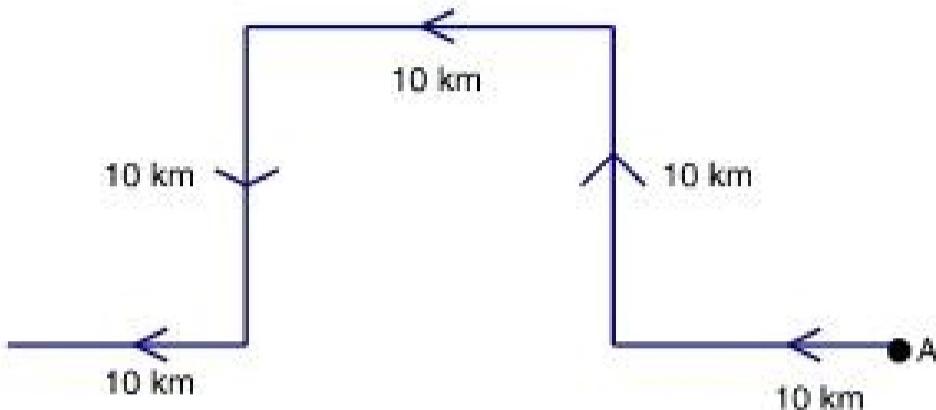


Facing towards South.

**Q.13:** Sona walks 10 km towards West, then turns right and walks 10 km. Again she take left turn and walk 10 km. She turned again towards left and moved upto 10 km. Finally she turns right and walk 10 km. How far she is now from start.

(a) 10 m (b) 20 m  
(c) 30 m (d) 40 m

**Answer:**

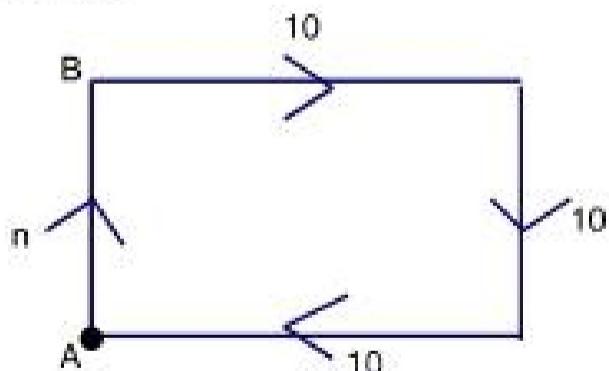


She is 30 m away from start point (A).

**Q.14:** A person moves towards North upto  $n$  meters, then walked towards East upto 10 km, then take right turn towards South and walked upto 10 km, again he moved towards West and reached at start point. What is the value of  $n$ .

(a) 10 km (b) 20 km  
(c) 1 km (d) 2 km

**Answer:**

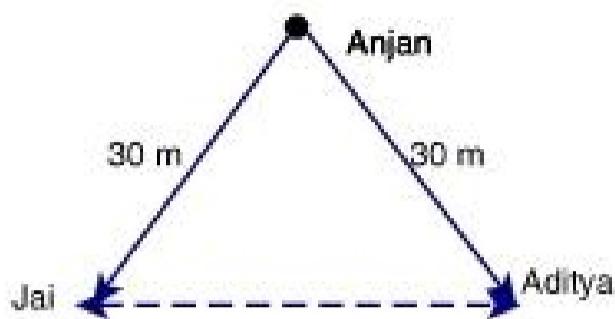


$$n = 10$$

**Q.15:** Jai is in which direction of Aditya. If Jai is 30 m S-W of Anjan. Aditya is 30 m S-E of Anjan.

(a) West (b) East  
(c) South (d) North

**Answer:**

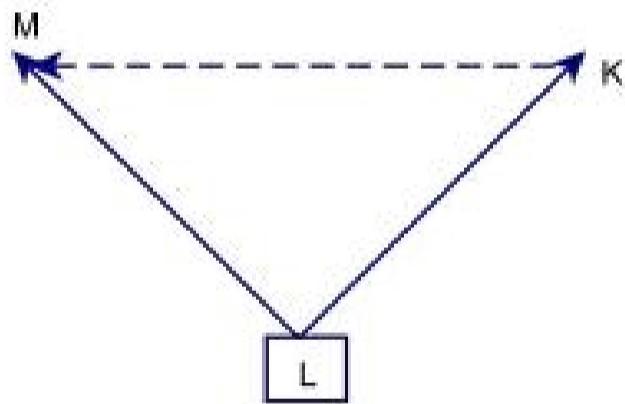


Jai is in West direction of Aditya.

**Q.16:** K is 40 m N-E of L, M is 40 m N-W of L. Then M is in which direction of K.

(a) East	(b) West
(c) South	(d) North

**Answer:**

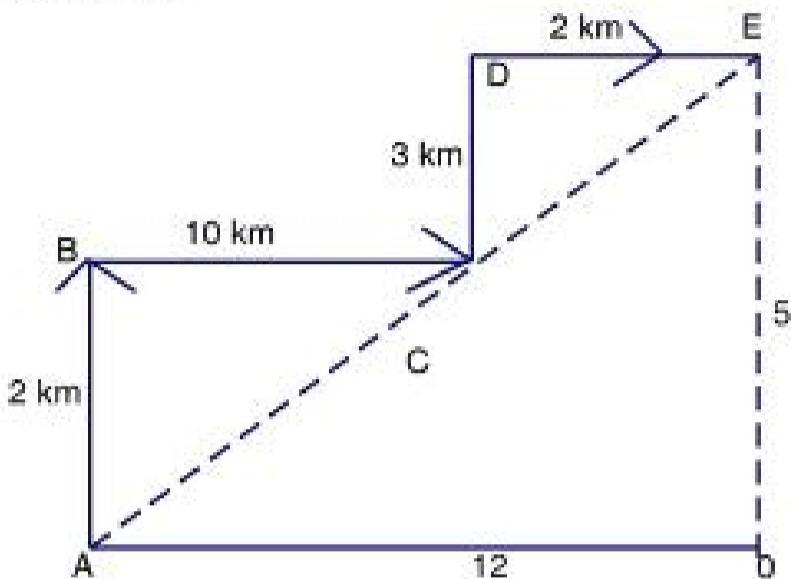


M is in West of K.

**Q.17:** A man walks 2 km towards North. Then he turns to East and walks 10 km. After this he turns to North and walks 3 km. Again he turns towards East and walks 2 km. How far is he from the starting point?

(a) 10 km	(b) 13 km
(c) 15 km	(d) 17 km

**Answer:**



$$AE^2 = AO^2 + OE^2$$

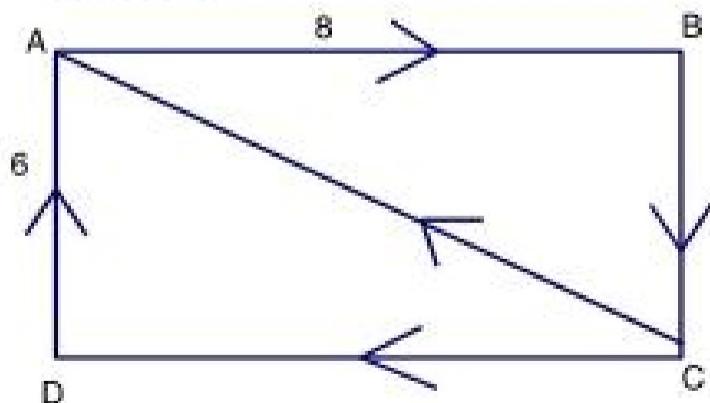
$$AE^2 = 12^2 + 5^2$$

$$AE = 13$$

**Q.18:** The length and breadth of a room are 8 m and 6 m respectively. A cat runs along all the four walls and finally along a diagonal order to catch a rat. How much total distance is covered by the cat?

(a) 10	(b) 14
(c) 38	(d) 48

**Answer:**



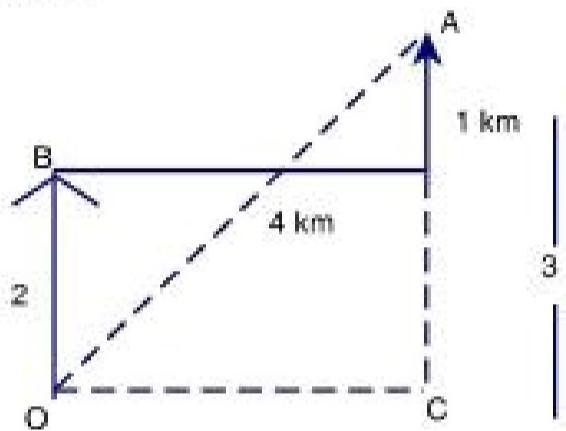
$$= \text{Perimeter} + AC$$

$$= 28 + \sqrt{8^2 + 6^2}$$

$$= 28 + 10$$

**Q.19:** A man starts from O and moved towards North 2 km, then take right turn and moved 4 km. again turned towards North and walked upto 1km reached at A. Find distance between OA.

**Answer:**



$$OA^2 = OC^2 + AC^2$$

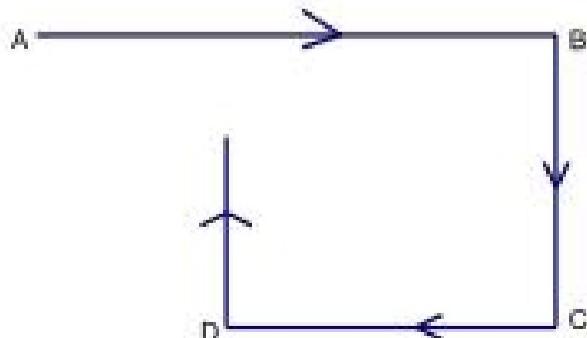
$$OA = \sqrt{16 + 9} = \sqrt{25} = 5$$

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

**Q.20:** One morning Sujata started to walk towards the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?

(a) North (b) South  
(c) N-E (d) S-W

**Answer:**



Quinta will face towards North

**Q.21:** One day morning after sunrise, Vimal started to walk. During this he met Sheru who was coming from opposite direction. Vimal watch the shadow of Sheru to the right of him (Vimal) to which direction Vimal was facing?

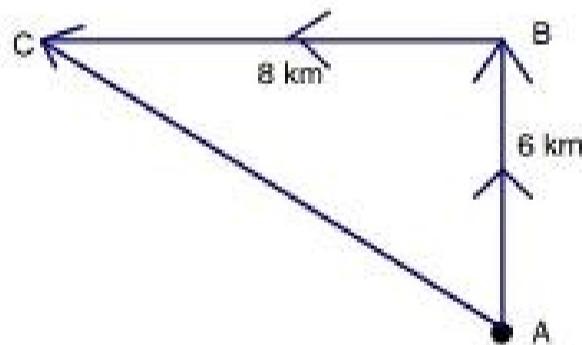
### Answers

(a) Sun rises in the East. So the shadow of a man will always fall towards the West. Since the shadow of Sheru is to the right of Vimal. Hence Vimal is facing towards South.

**Q.22:** Ramu is going towards North from his house. After covering a distance of 6 km he turned towards left and covered a distance of 8 km. What is the shortest distance from his house?

(a) 15 km (b) 10 km  
(c) 25 km (d) 20 km

### Answers

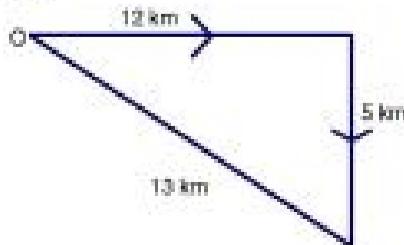


$$CA = \sqrt{8^2 + 6^2} = 10$$

**Q.23:** Ramji is going towards East, after 12 km he takes a right. Right turn and travel upto 5 km. Find his shortest distance now from his original place.

(a) 13 km (b) 12 km  
(c) 5 km (d) 17 km

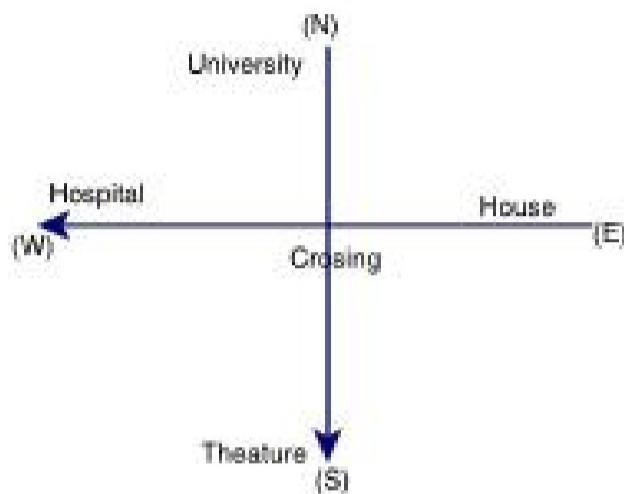
**Answer:**



**Q.24:** Shivam started from his house towards West. After walking a distance of 15 km he turned to the right and walked 10 km. He again turned to the right and walked 5 km. After this he is to turn right at  $135^\circ$  and covered 10

**Answer:**

(a) North



**Q.27:** After walking 6 km, I turned to the right and then walked 2 km. After that I turned to the left and walked 10 km. In the end, I was moving towards the North. From which direction did I start my Journey?

(a) North	(b) South
(c) East	(d) West

**Answer:**

(b) South

**Q.28:** Ravi left home and cycled 10 km towards South, then he turned right and cycled 5 km and then again turned right and cycled 10 km. After this he turned left and cycled 10 km. How many km. will he have to cycle to reach his home straight?

(a) 10 km	(b) 15 km
(c) 12 km	(d) 17 km

**Answer:**

