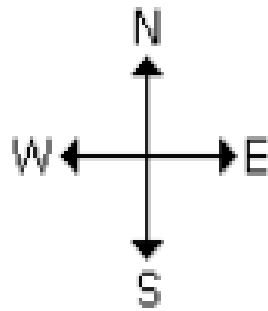


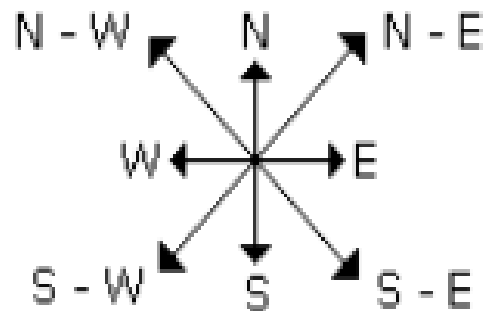
DIRECTION SENSE TEST

- In this, the candidate is required to find the final direction or the distance between two point.
- This test is meant to judge the candidate's ability to trace and follow correctly and sense the direction correctly.

There are four main directions - **East**, **West**, **North** and **South** as shown below:



There are four cardinal directions - **North-East (N-E)**, **North-West (N-W)**, **South-East (S-E)**, and **South-West (S-W)** as shown below:



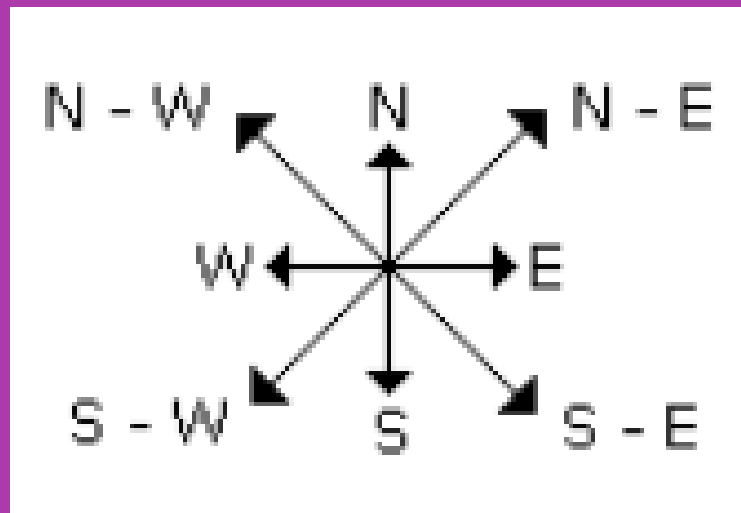
1. At the time of sunrise if a man stands facing the east, his shadow will be towards west.
2. At the time of sunset the shadow of an object is always in the east.
3. If a man stands facing the North, at the time of sunrise his shadow will be towards his left and at the time of sunset it will be towards his right.
4. At 12:00 noon, the rays of the sun are vertically downward hence there will be no shadow.

Question

- If South-East becomes North, North-East becomes West and so on. What will West become?
- A. North-East
- B. North-West
- C. South-East
- D. South-West

Solution

- **Answer: Option C**



Question

- A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?
- A. West
- B. South
- C. North-East
- D. South-West

Solution

- **Answer: Option D**

Question

- One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?
- A. East
- B. West
- C. South
- D. Data inadequate

Solution

- **Answer:** Option C
- **Explanation:**
- Sun rises in the east. So the shadow of a man will always fall towards the west. Since the shadow of Stephen is to the right of Vimal. Hence Vimal is facing towards South.

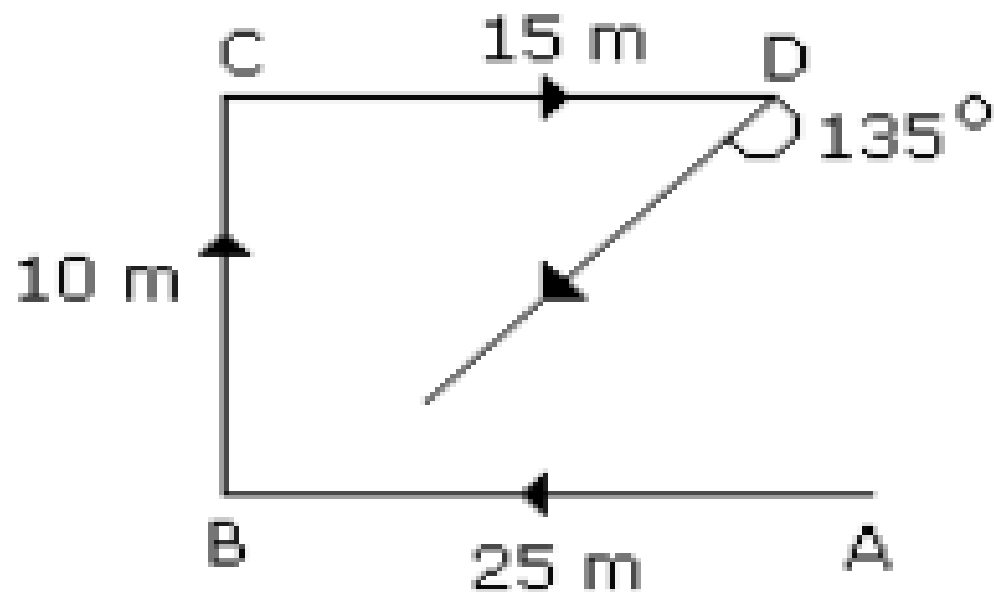
Question

- P started from his house towards west. After walking a distance of 25 m. He turned to the right and walked 10 m. He then again turned to the right and walked 15 m. After this, he is to turn right at 135° and to cover 15 m. In which direction should he go to reach home?
- A. West
- B. South
- C. South-West
- D. South-East

Solution

Answer: Option C

Explanation:



Hence he should go in the South-West direction.

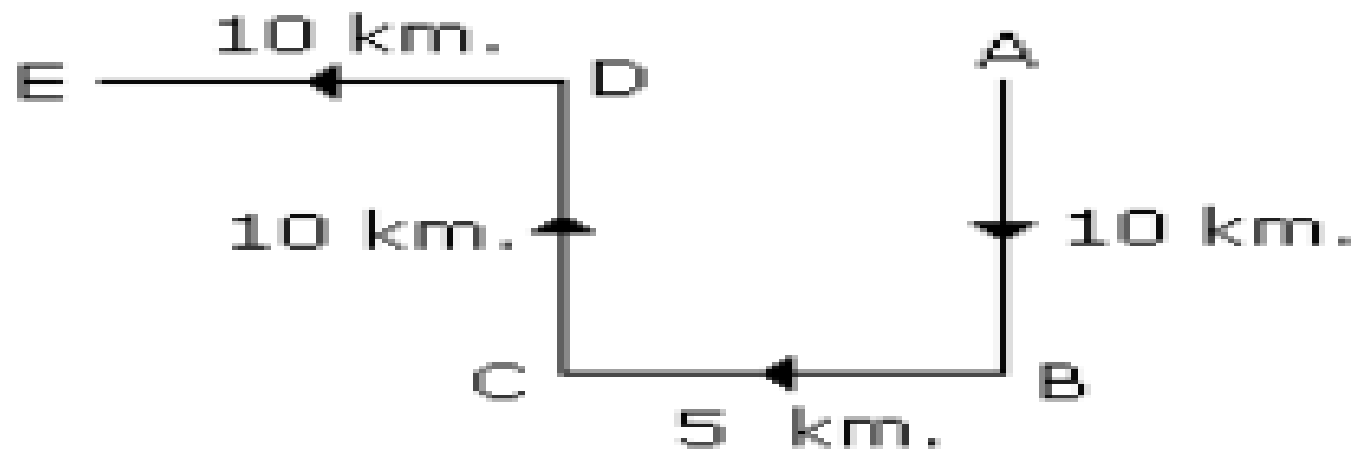
Question

- Ravi left home and cycled 10 km towards South, then 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 kilometers will he have to cycle to reach his home straight?
- A. 10 km
- B. 15 km
- C. 20 km
- D. 25 km

Solution

Answer: Option B

Explanation:



$$\begin{aligned}\text{Required distance} &= AE \\ &= 5 + 10 \\ &= 15 \text{ km.}\end{aligned}$$

Question

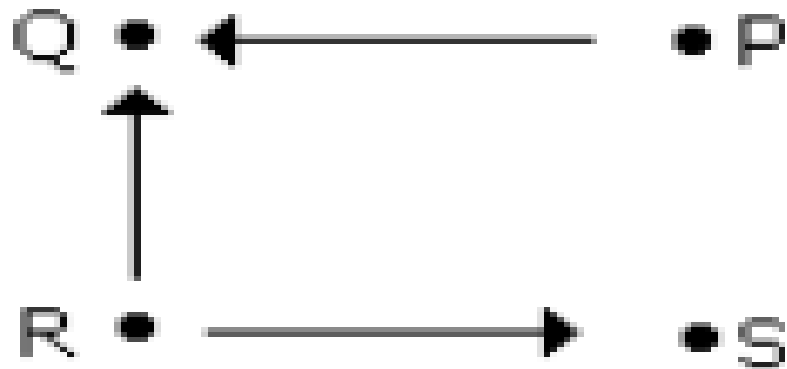
- If $A \times B$ means A is to the south of B; $A + B$ means A is to the north of B; $A \% B$ means A is to the east of B; $A - B$ means A is to the west of B; then in $P \% Q + R - S$, S is in which direction with respect to Q?
- A. South-West
- B. South-East
- C. North-East
- D. North-West

Answer

Answer: Option **B**

Explanation:

According to $P \% Q + R - S$



S is in the South-East of Q.

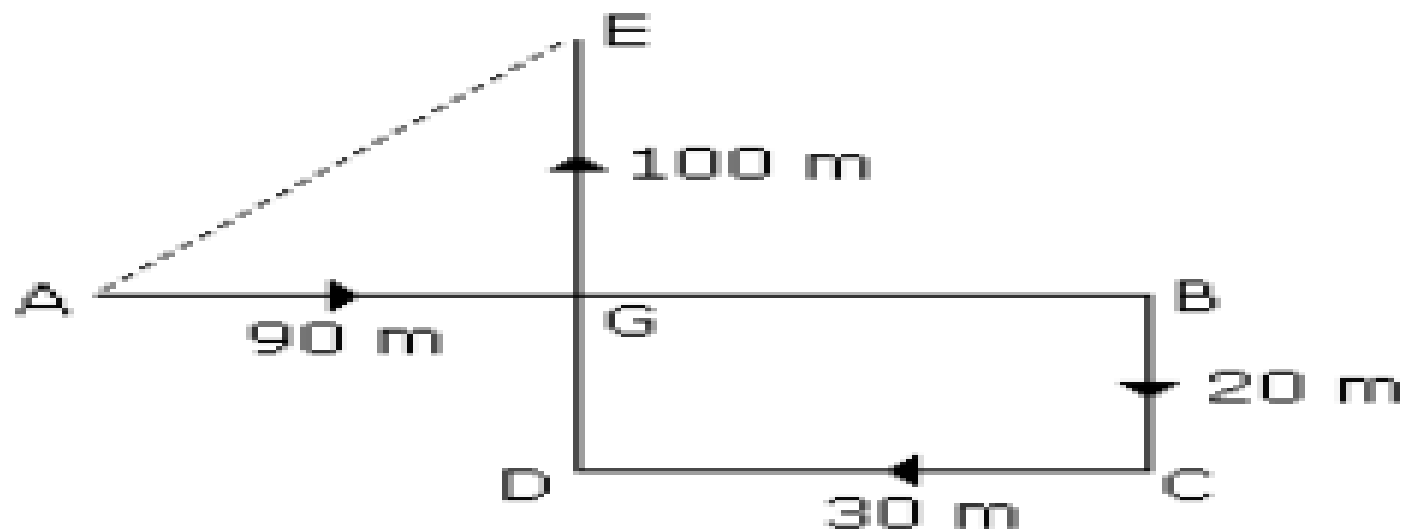
Question

- A child went 90 m in the East to look for his father, then he turned right and went 20 m. After this he turned right and after going 30 m he reached to his uncle's house. His father was not there. From there he went 100 m to his north and met his father. How far did he meet his father from the starting point?
- A. 80 m
- B. 100 m
- C. 140 m
- D. 260 m

Solution

Answer: Option B

Explanation:



Required distance = AE

$$= \sqrt{AG^2 + EG^2}$$

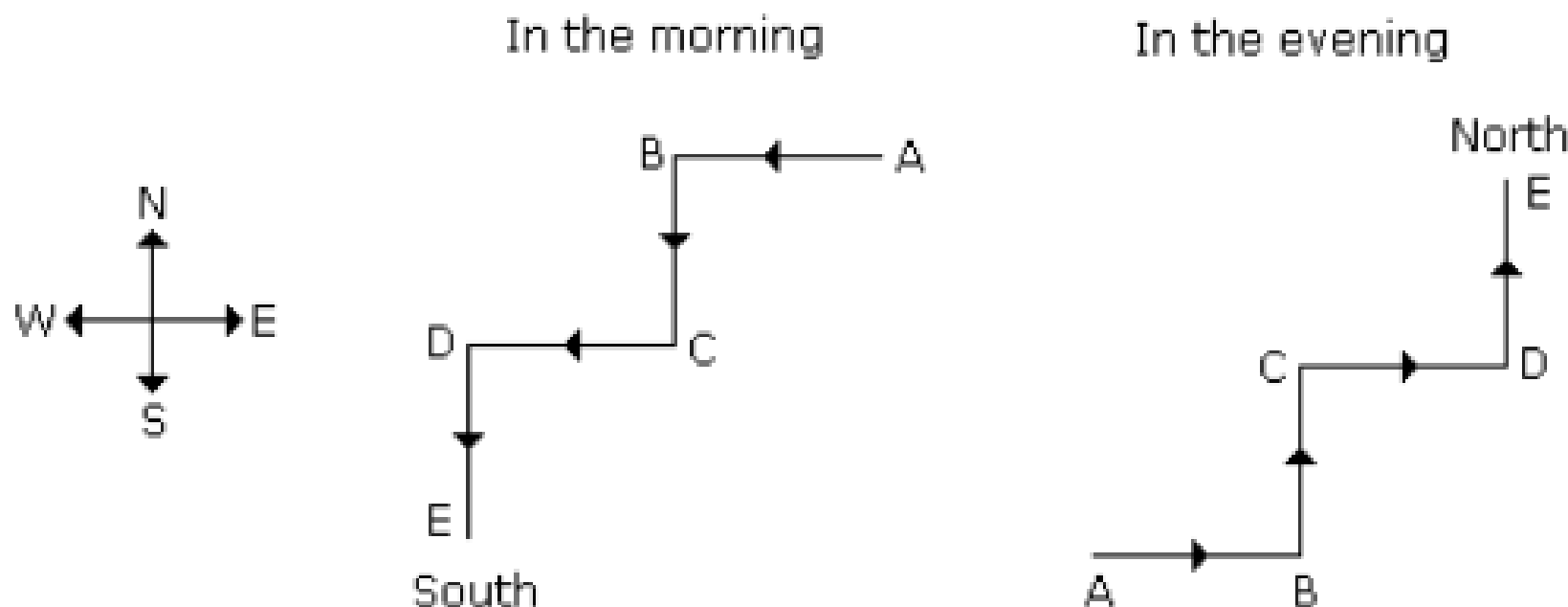
Question

- Amit started walking positioning his back towards the sun. After some time, he turned left, then turned right and towards the left again. In which direction is he going now?
- A. North or South
- B. East or West
- C. North or West
- D. South or West

Solution

Answer: Option **A**

Explanation:



If he starts walking the morning then finally he will face towards South and if he starts in the evening then finally he will face towards North.

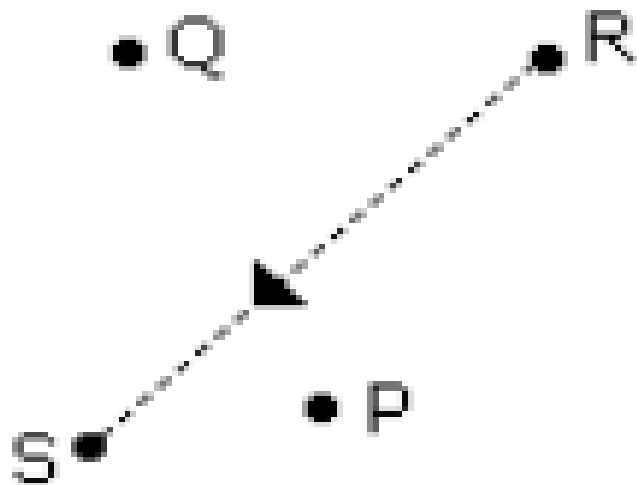
Question

- Village Q is to the North of the village P. The village R is in the East of Village Q. The village S is to the left of the village P. In which direction is the village S with respect to village R?
- A. West
- B. South-West
- C. South
- D. North-West

Solution

Answer: Option B

Explanation:



S is to the South-West of R.

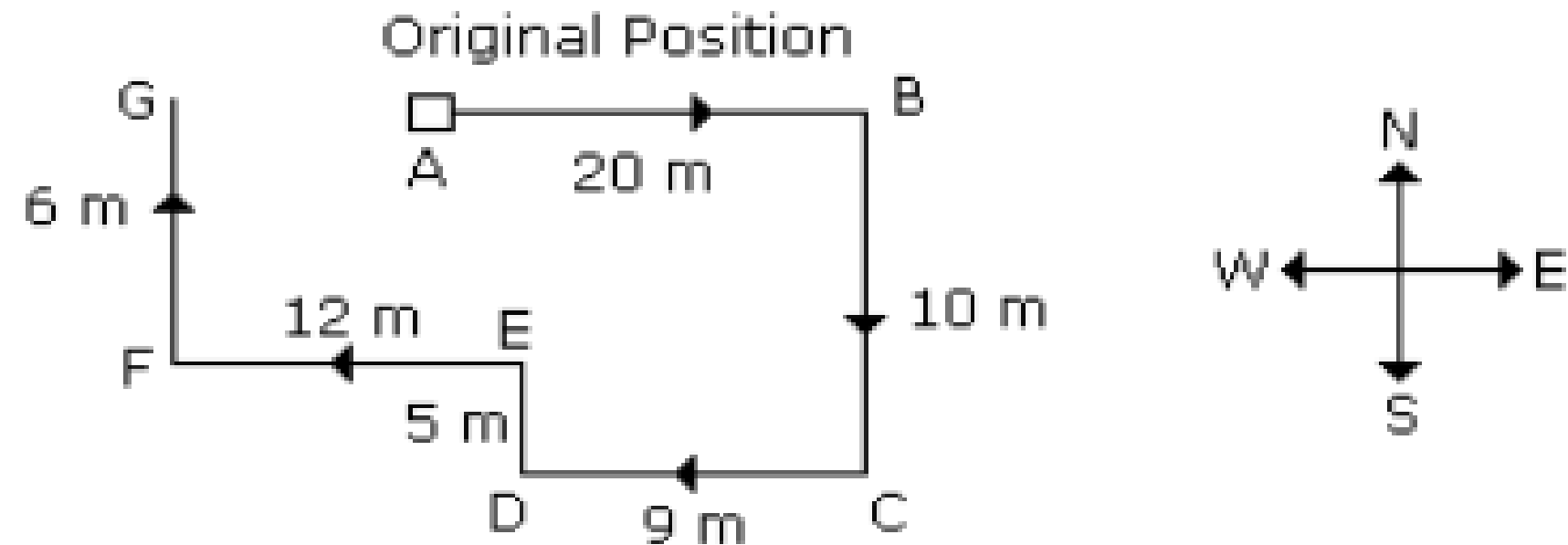
Question

- Sundar runs 20 m towards East and turns to right and runs 10 m. Then he turns to the right and runs 9 m. Again he turns to right and runs 5 m. After this he turns to left and runs 12 m and finally he turns to right and 6 m. Now to which direction is Sundar facing?
- A. East
- B. West
- C. North
- D. South

Solution

Answer: Option C

Explanation:



Therefore, it is clear that Sundar will face towards North.

THANK YOU