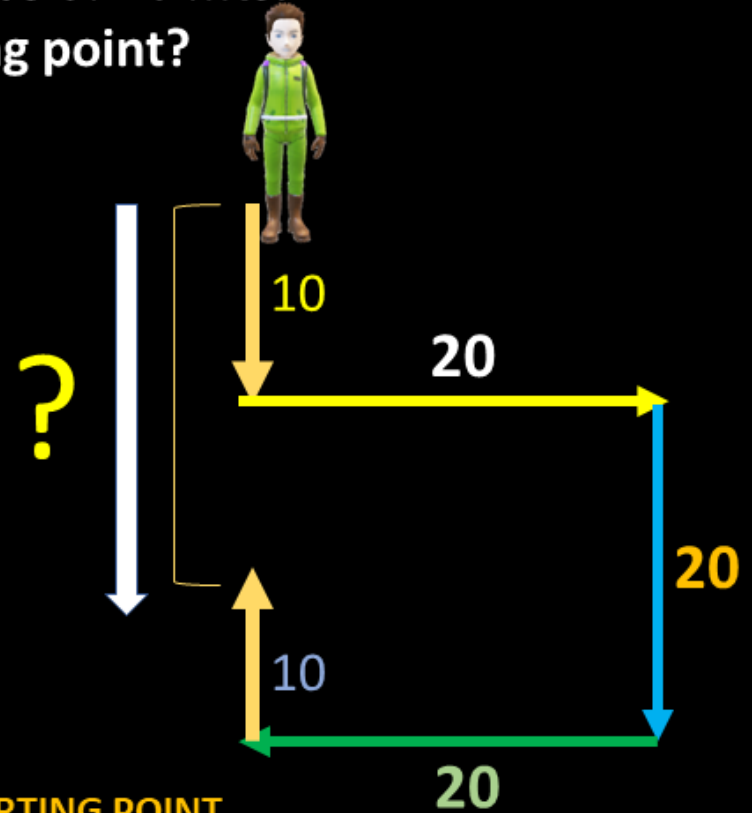


# DIRECTIONS GATE PRACTICE BOOK

1. Ravi walks 10 mts towards the South turning to the left he walks 20 mts and then moves to his right. After moving distance of 20 mts he turns to the right and walks 20 mts. Finally he turns to right and moves an distance of 10 mts.

How far and in which direction is he from the starting point?

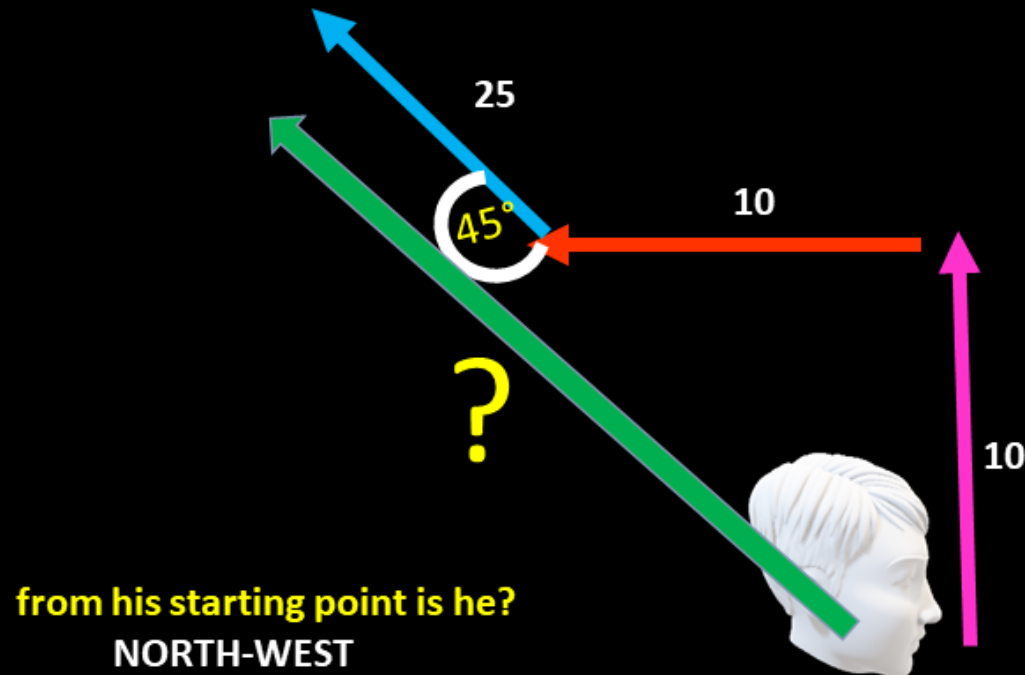
- (a) 10 mts North
- (b) 20 mts South ✓
- (c) 20 mts North
- (d) 10 mts South



10 + 10 M = 20 M, TOWARDS SOUTH FROM THE STARTING POINT

**02. Facing the East Mr. U.V. Rao turned left and walked 10 mts then turned to his left again and walked 10 mts. He then turned  $45^\circ$  towards his right and went straight to cover 25 mts.  
In which direction from his starting point is he?**

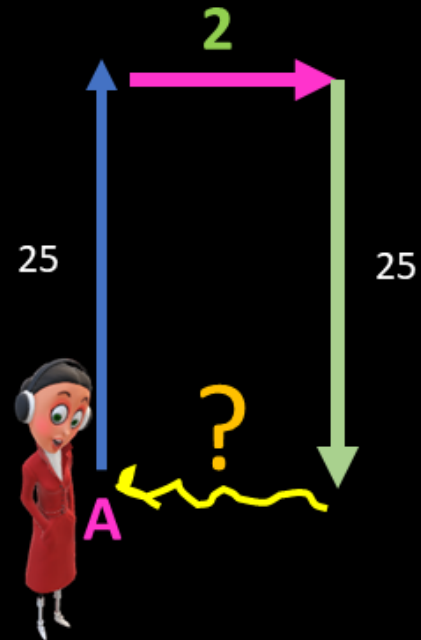
- (a) South – West**
- (b) South – East**
- (c) North – West**
- (d) North – East**



03. Rita drives to the North of her place of stay at A and after traveling 25 km, finds that she has driven in the wrong direction she then turns to her right and travels 2 km and then she again turns to the right and drives straight another 25 km. How much distance has she now to cover to go back to the starting point?

- (a) 25 km
- (b) 2 km
- (c) 4 km
- (d) 40 km

she now to  
cover to go back to the starting point?  
**2 KMS**



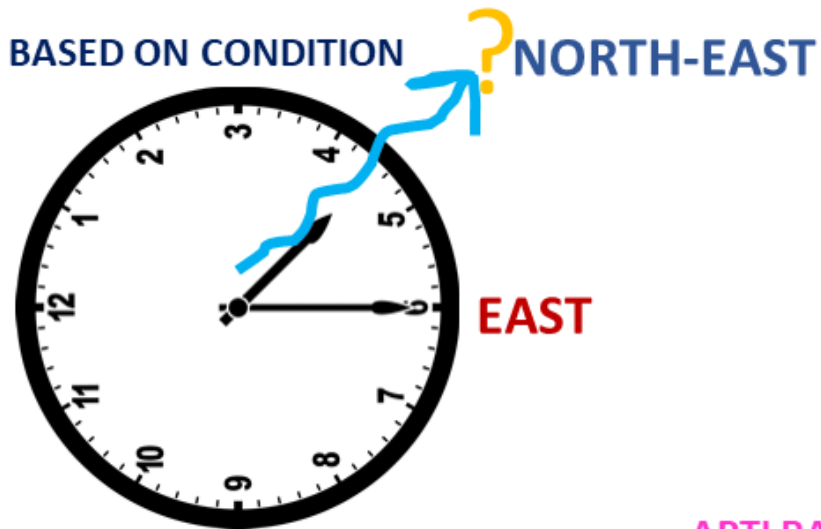
04. A watch reads 4:30. If the minute hand points East, in what direction will the hour hand point?

- ✓ (a) North – East
- (b) South - West
- (c) North
- (d) South

ORIGINAL



BASED ON CONDITION



05. A clock is so placed that at 12 noon its minute hand points towards North-East. In which direction does its hour hand point at 1.30 p.m.?

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

ORIGINAL



GIVEN CONDITON



WHEN TIME IS 1:30  
THEN HOUR HAND POSITION  
IS IN BETWEEN 1 TO 2



06. A man is facing west. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 270 degree in the anticlockwise direction. Find which direction he is facing now?

- (a) South-West ✓
- (b) West
- (c) South
- (d) East-South

L.HS {ACW}	R.HS {CW}
	45°
270°	180°
270°	225°

$$270^\circ - 225^\circ = 45^\circ$$

THIS 45 DEG BELONGS TO LHS

NOW , INITIAL DIRECTION + 45 DEG L.H.S

**WEST + 45 ° L EFT = SOUTH-WEST**

07. One morning Uday and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Uday, which direction was Uday facing?

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

IN SUNRISES

OBSERVE THE FIGURE FOR UNDERSTANDING PURPOSE

UDAY'S SHADOW IS UDAY'S LEFT SIDE ONLY  
VISHAL'S SHADOW IS HIS RHS

BUT CONDITION IS VISHAL'S SHADOW IS LEFT  
HAND SIDE OF UDAY'S  
THEN CONCLUSION IS  
UDAY'S SHADOW IS ALSO UDAY'S LEFT SIDE  
ONLY;

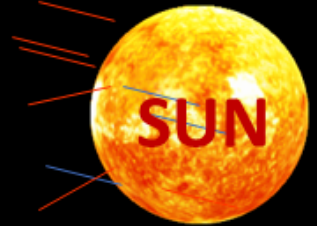
SO UDAY FACING --→ NORTH  
VISHAL'S FACING -----→ SOUTH



VISHAL

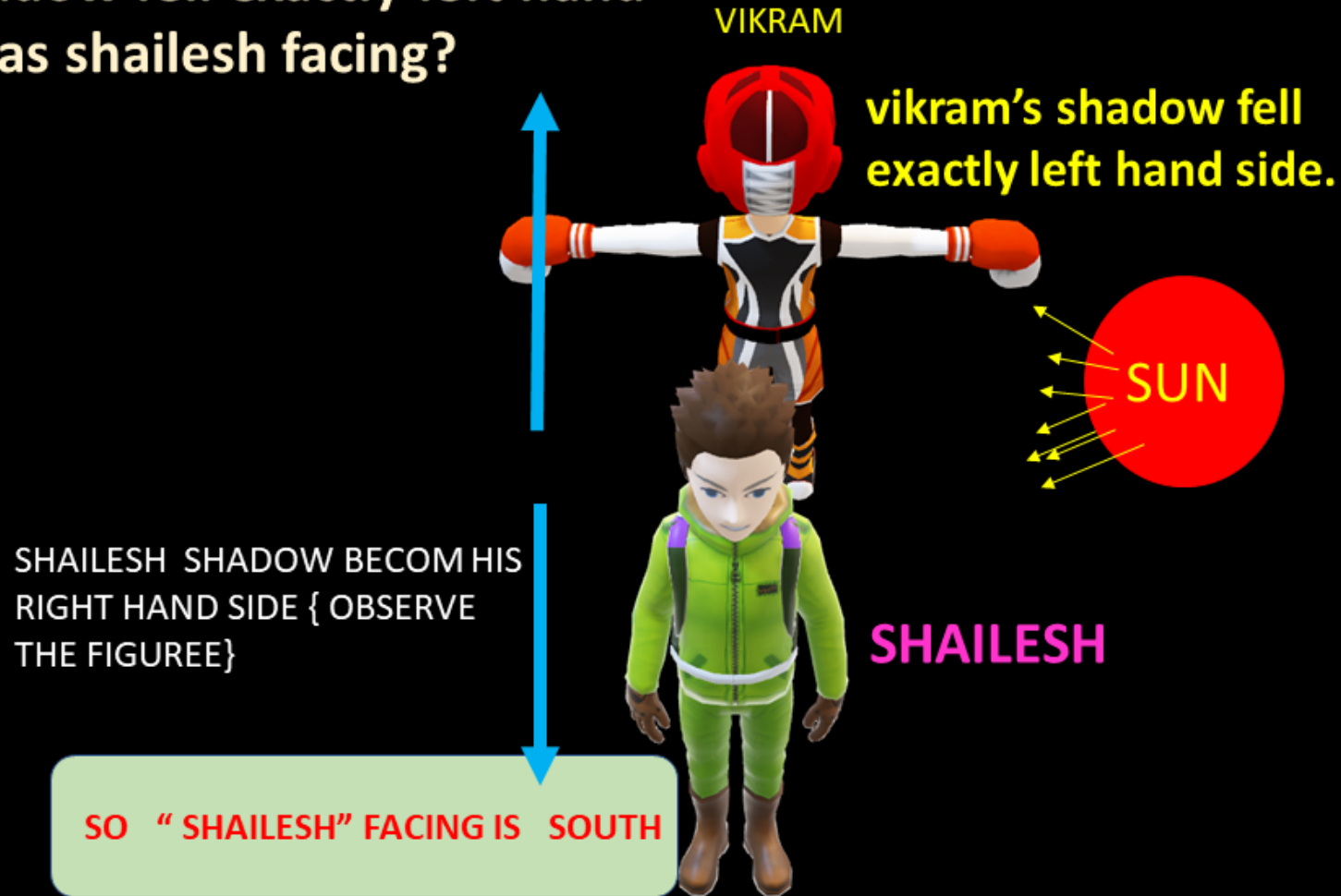


UDAY



08. One morning after sunrise, vikram and shailesh were standing in a lawn with their backs towards each other, vikram's shadow fell exactly left hand side. Which direction was shailesh facing?

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





09. 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
- (c) North-West

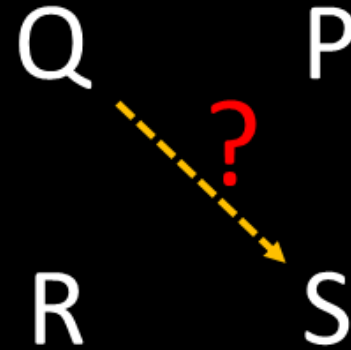
hint

$P \% Q$  MEANS P IS TO THE EAST OF Q  
 ie q's east side is  $\rightarrow$  p

Q P

ORDER  $\rightarrow$  FOR OUR  
 CONVINENCY

$P \% Q + R - S$ ,



"S" IS THE SOUTH-EAST OF Q

10. 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

. If South-East becomes North,

North-East becomes West

MEANS

$\text{SOUTH-EAST} + 135^\circ \text{ [ LEFT ]} = , \text{ SO WE ARE GETTING NORTH}$

$\text{NORTH-EAST} + 135^\circ \text{ [ LEFT ]} = \quad \text{II} \quad \text{II} \quad \text{II} \quad \text{II} \quad \text{WEST}$

WE NEED

WEST BECOME ?

$\text{WEST} + 135^\circ \text{ [ LHS ]} = \text{SOUTH-EAST}$