DAY 02

MCA CET 2025

REASONING

DIRECTION SENSE

KEEP LEARNING

MCA VISION ACADEMY

YOUR CAREER GUIDE

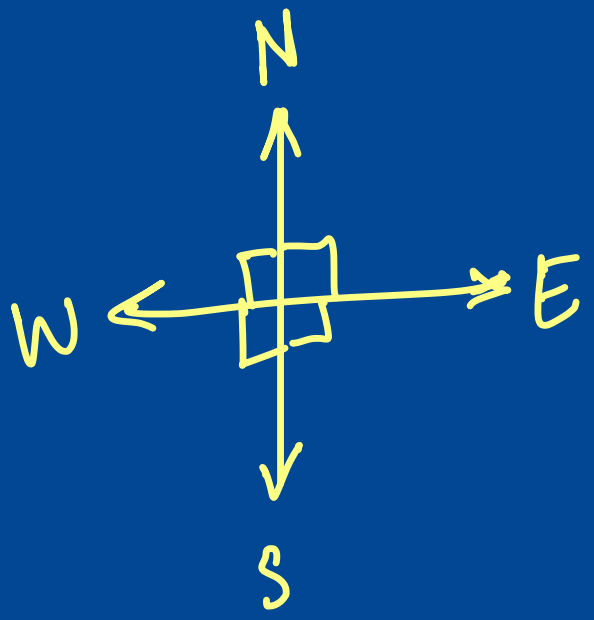
JOIN US ON WHATSAPP

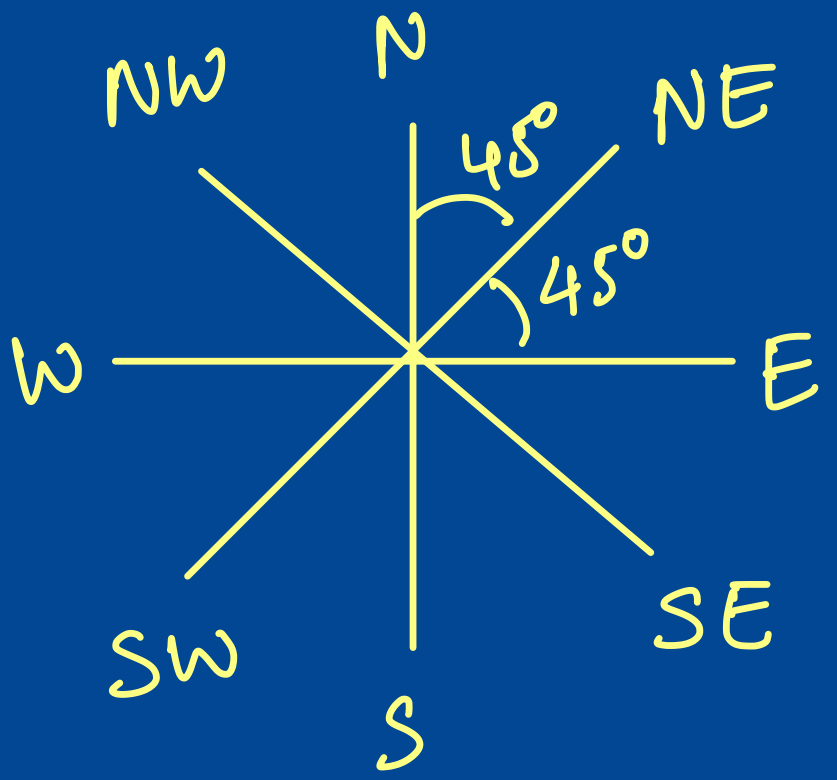
JOIN US ON TELEGRAM

FOR MAH MCA CET 2025

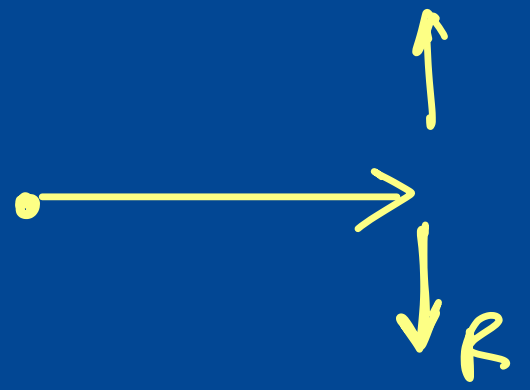
Direction Sense

Understanding Directions



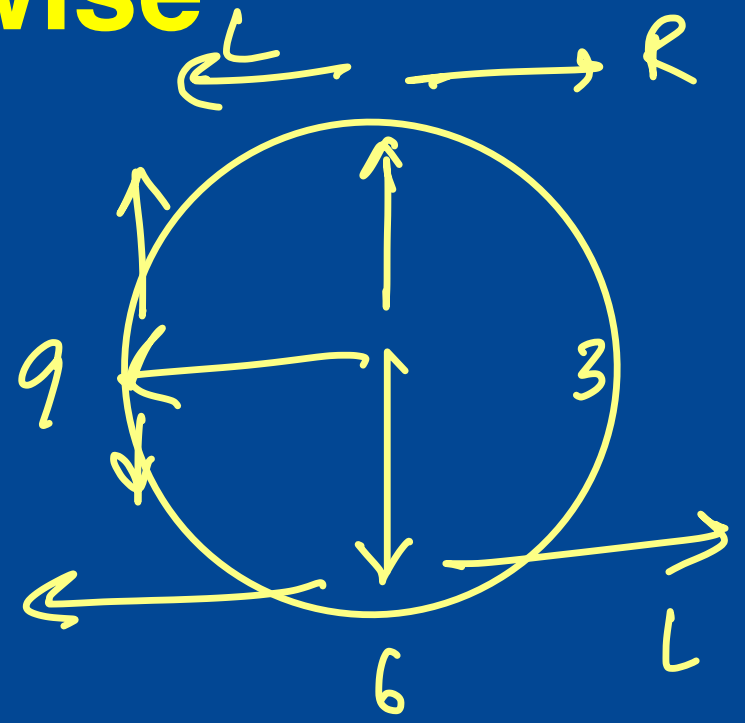


REMEMBER:



Right Turn = Clockwise

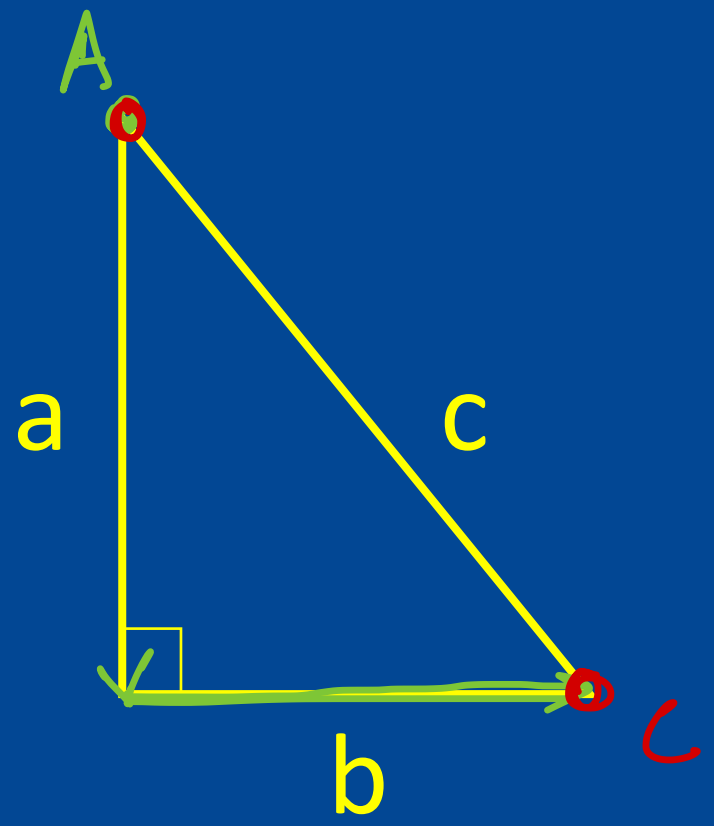
Left Turn = Anti-clockwise



Formula for shortest path Pythagoras Theorem

Hypotenuse^2 = (One side)^2 + (Other Side)^2

$$c^2 = a^2 + b^2$$



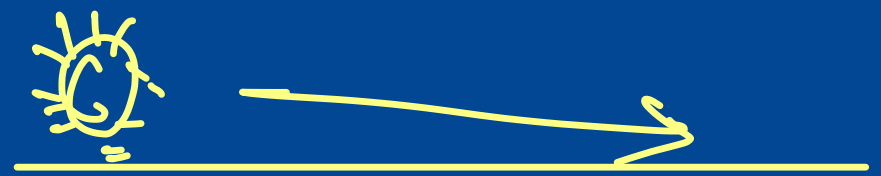
At the time of sunset, Lopa and Kritika are sitting facing each other. If the shadow of Lopa falls to the right of Kritika, in which direction is Kritika facing ?

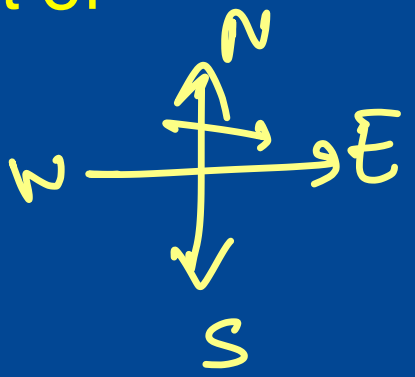
(a) South

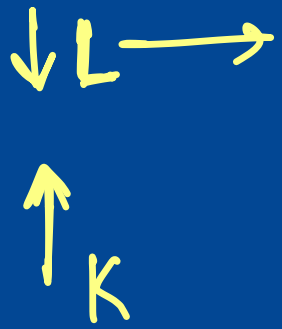
(b) North

(c) East

(d) West







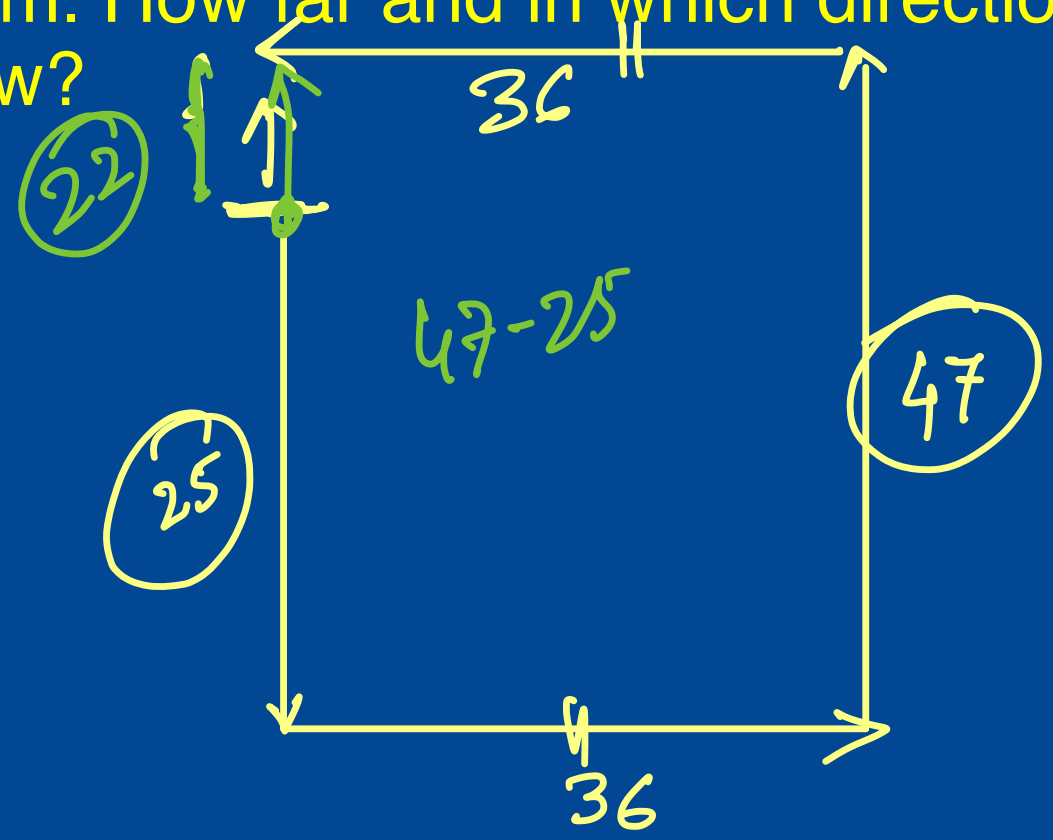
Gaurav exits from the backdoor of his north-facing house and walks 25 m straight, then he takes a left turn and walks 36 m, then he turns left and walks 47 m. He turns left again and walks 36 m. How far and in which direction is he from his house now?

(a) 22m, North

(b) 11m, North

(c) 22m, South

(d) 11m, South



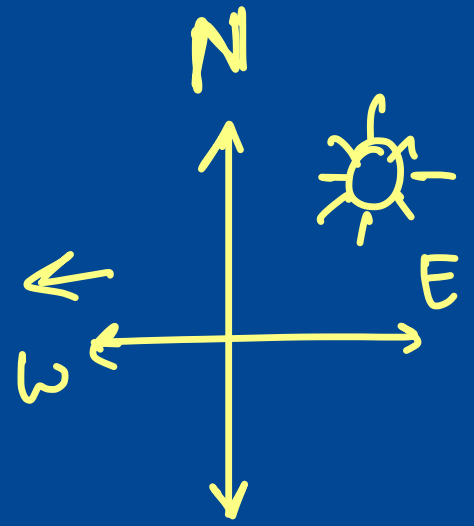
When I was going to the office from my house early in the morning my shadow formed on my left hand side. In which direction is my house from the office?

(a) North-west

(b) North

(c) South

(d) East



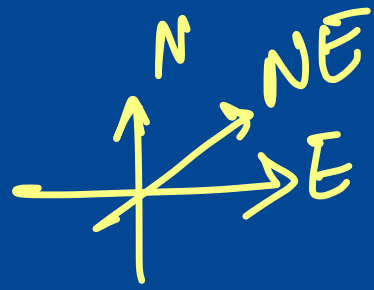
Eight students A, B, C, D, E, F, G and H are sitting around a circular table, Clockwise in the given sequence at equal distances from each other. If B is seated in the north-east direction, in which direction is H seated?

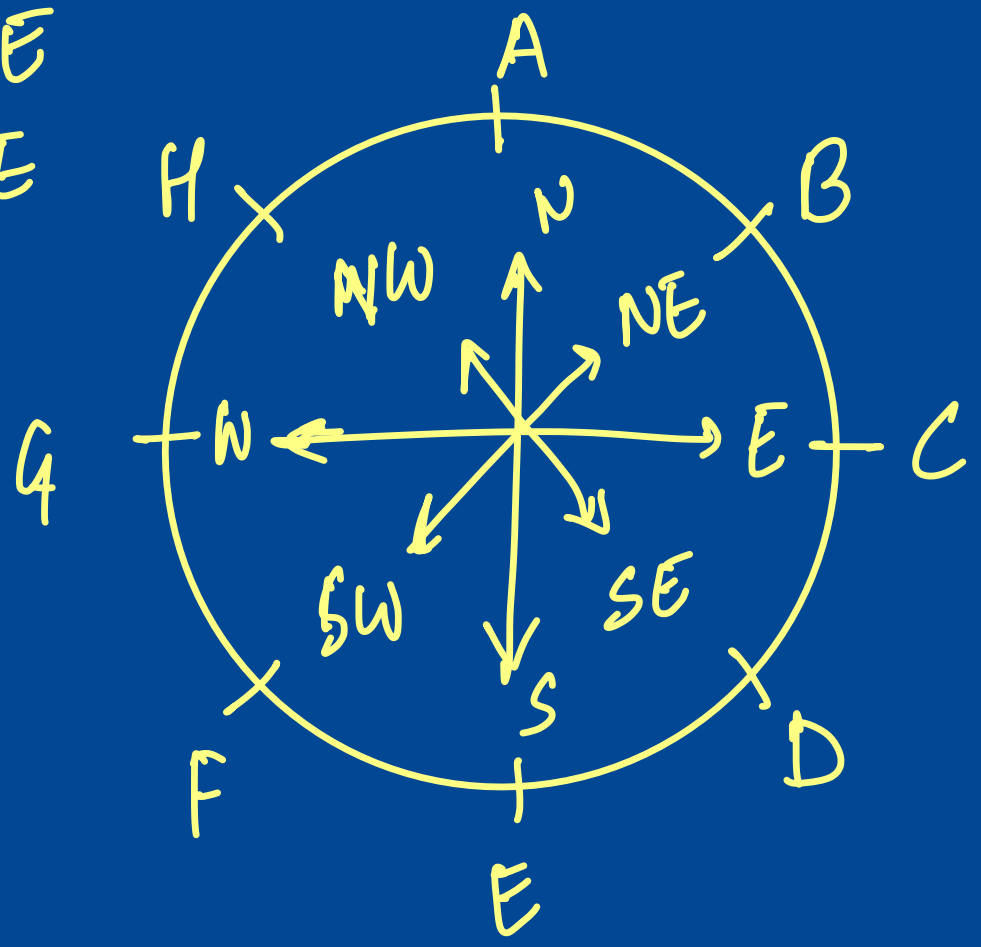
(a) South-west

(b) North-east

(c) North-west

(d) South-east





Z's house is 45m South to P's house.

J's house is 50m South to H's house.

Q's house is 30m West to Z's house.

M's house is 50m North to P's house.

H's house is 30 m West to M's house.

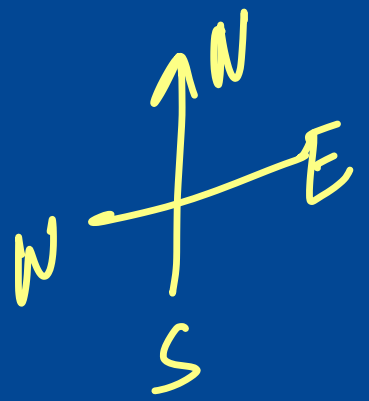
In which direction and at what distance is J's house with reference to Q's house ?

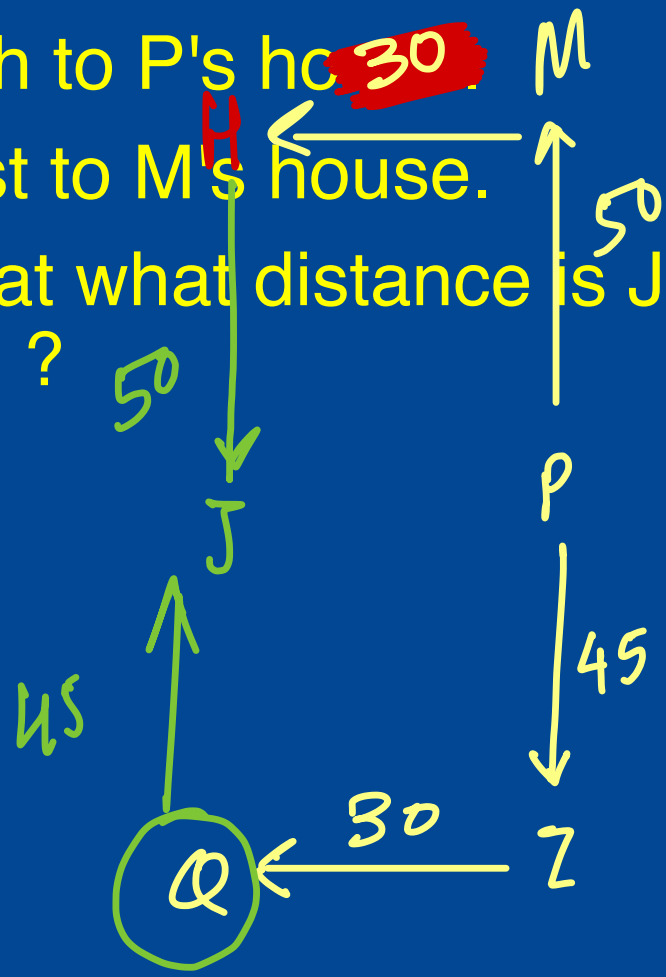
(a) South, 50m

(b) West, 30m

(c) North,45m

(d) South,45m





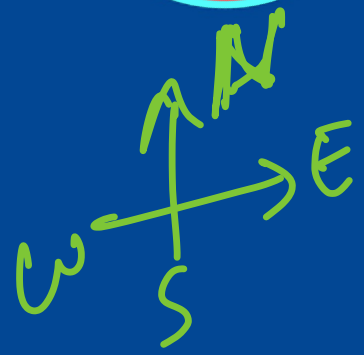
Kunal's house is located to the south of a coffee shop. There is a park to the east of the coffee shop. The local market is to the north of the park. If the distance of the market from the park is equal to the distance of the coffee shop from Kunal's house in which direction is the market with respect to the coffee shop?

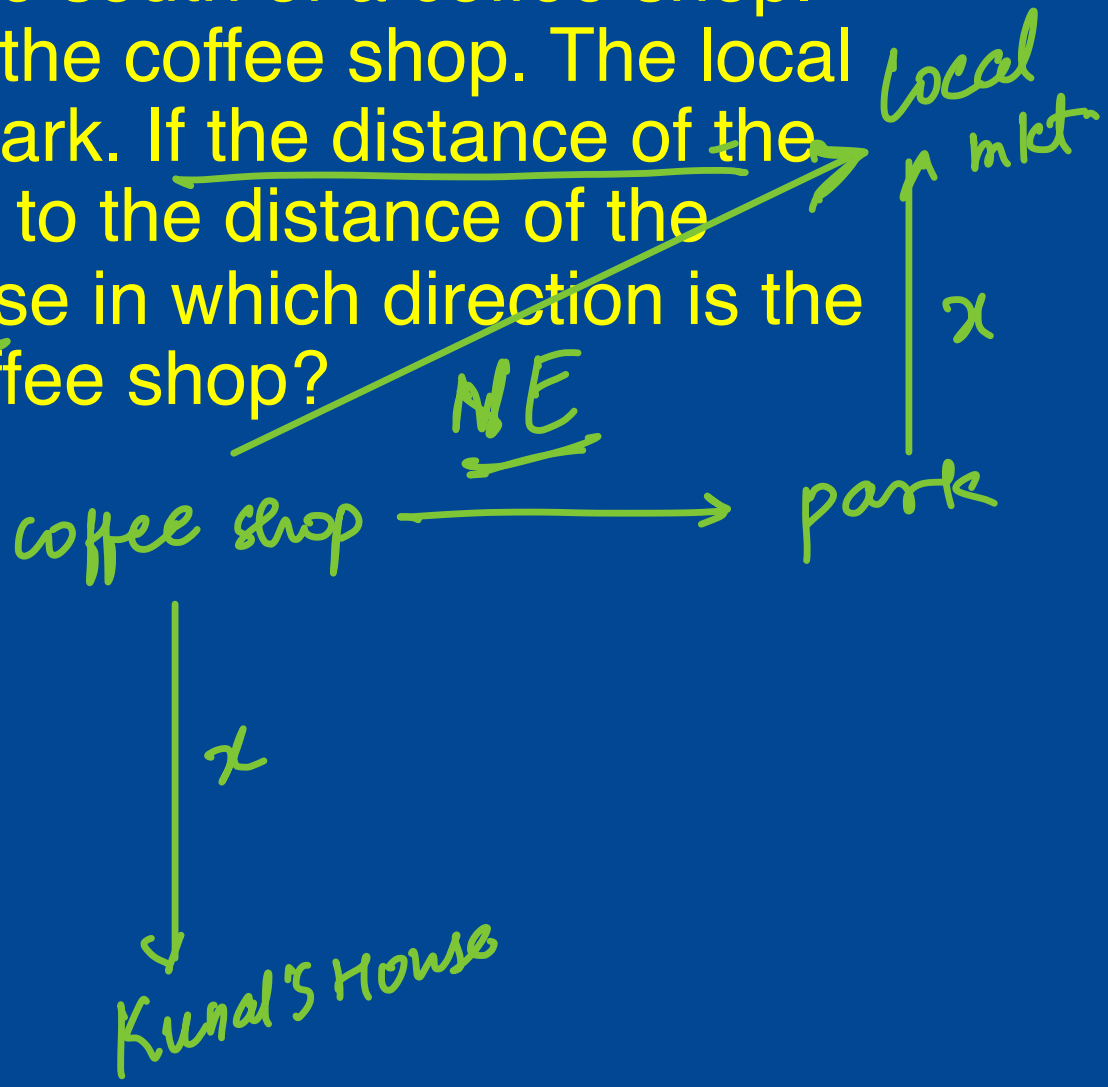
(a) South - West

(b) West

(c) South - East

(d) North - East





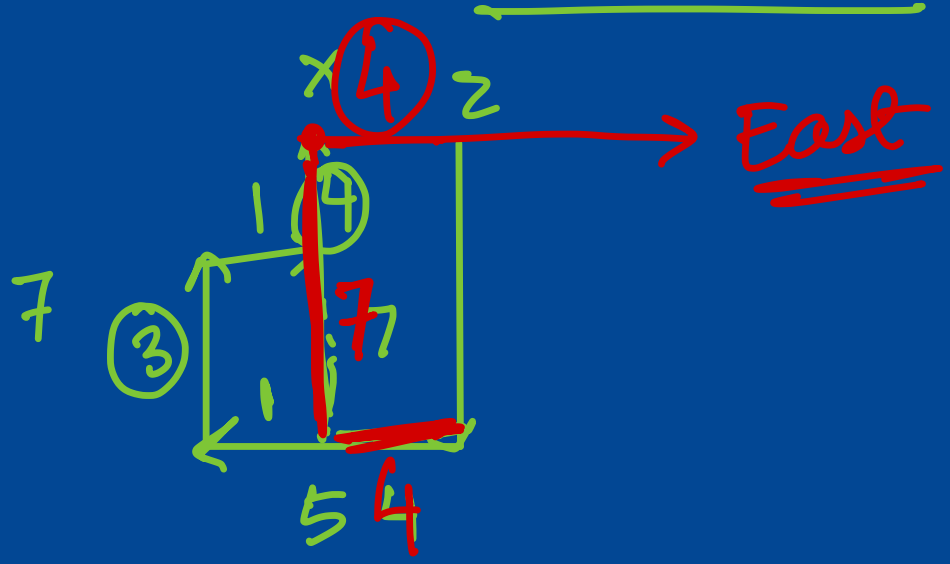
A person starts from point Z and moves 7 km towards the South. He turns right and moves 5 km, turns right, and moves 3 km, then turns right and moves 1 km. He takes a left turn and moves 4 km to reach a point X. How much and in which direction does he need to move now to reach point Z?

(a) 4 km East

(b) 4 km West

(c) 6 km East

(d) 4 km South



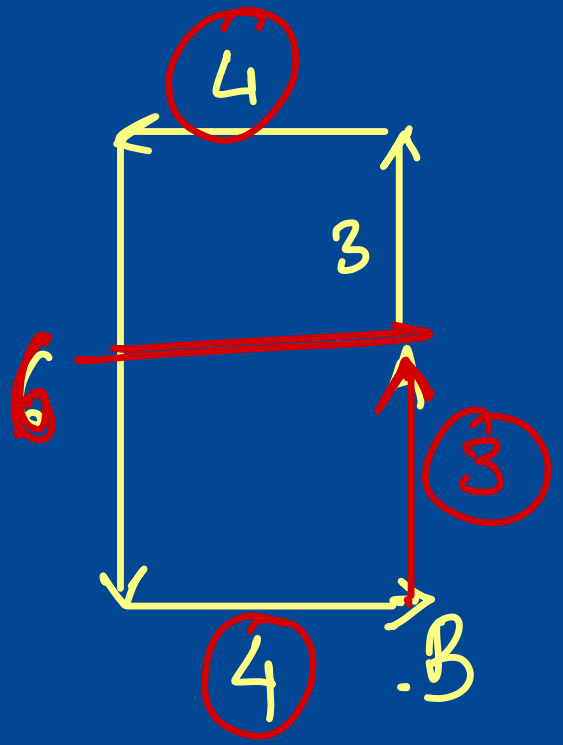
Rohit drives 3 km towards north from point A. He takes a left turn and drives 4 km. Again he takes a left turn and drives 6 km. Finally, he takes a left turn and drives 4 km to reach point B How far and towards which direction should he drive in order to reach point A again?

(a) 3 km towards north

(b) 2 km towards west

(c) 4 km towards south

(d) 3 km towards east

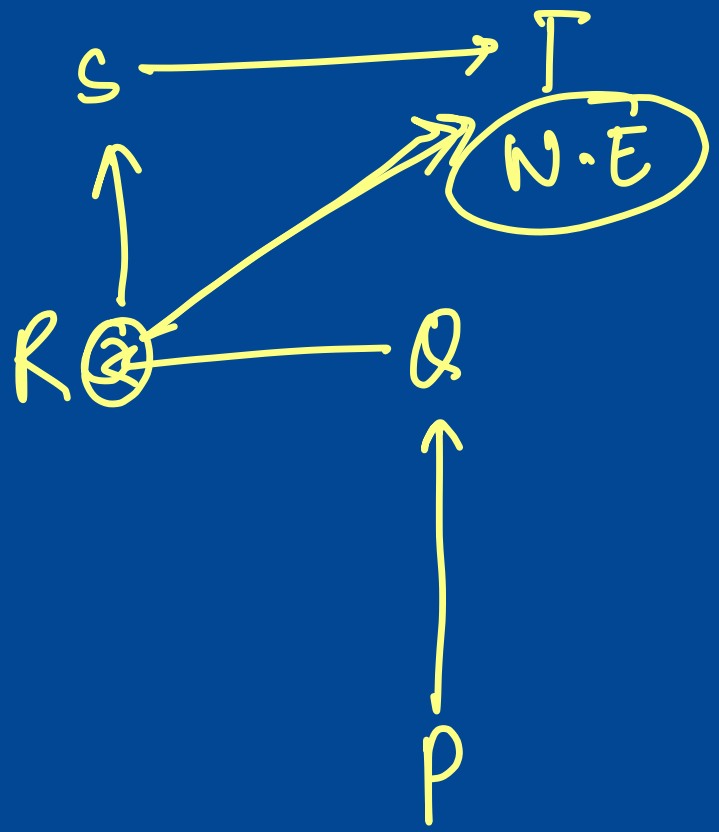


Town Q is to the north of Town P. Town R is to the west of Town Q. Town S is to the north of Town R. Town T is to the east of Town S. What is the position of Town T with respect to Town R? (All positions are arranged in GRID pattern). (a) South

(b) South-east

(c) East

(d) North-east



Shilpa goes to a park every day for walking. One morning, she started walking from her home and walked 40 km towards the north. Then she turned to the right and walked 60 km. Again, she turned right and walked 40 km. Lastly, she took a left turn and walked 30 km.

How far is she from her home?

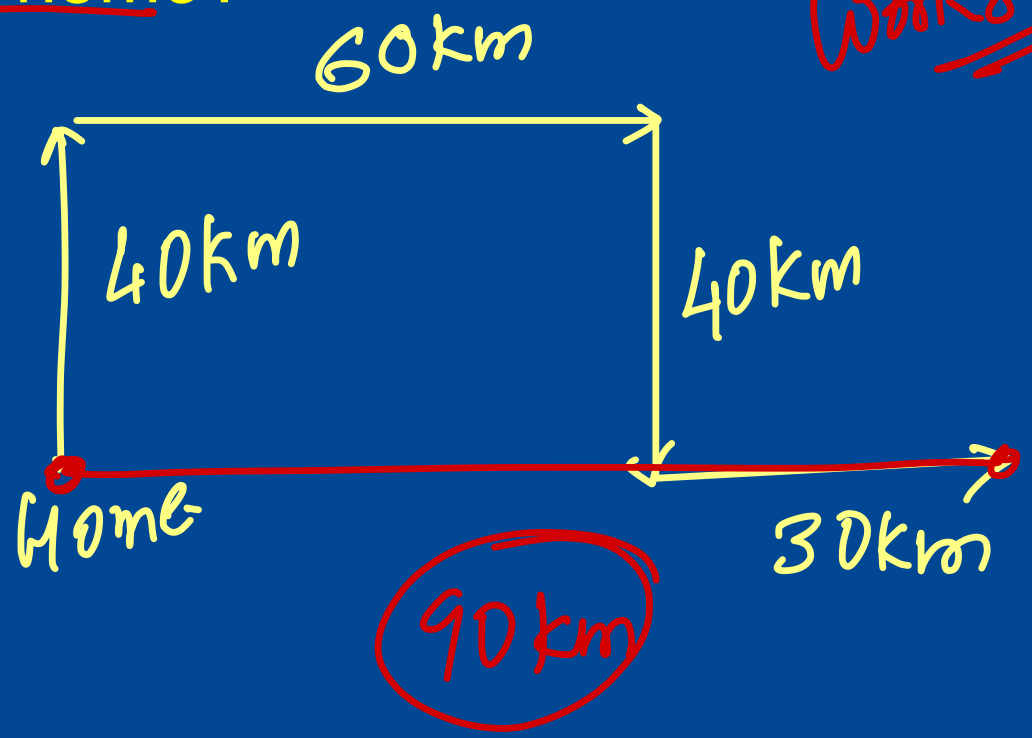
(a) 60 km

(b) 100 km

(c) ~~140 km~~

(d) 90 km

Worksheet



DAY 03

MCA CET 2025

COMPUTER FUNDA-MENTALS

KEEP LEARNING

MCA VISION ACADEMY

YOUR CAREER GUIDE

JOIN US ON WHATSAPP

JOIN US ON TELEGRAM

FOR MAH MCA CET 2025