

North



Sahi Prep Hai Toh Life Set Hai

Distance & Direction

East



Disertion & Distance.



Agenda of the session

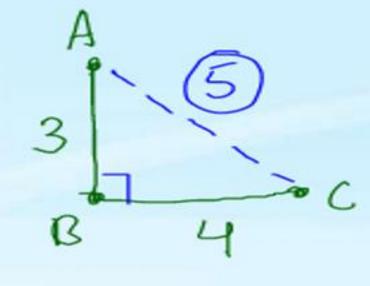
(1) To Find Distance

(2) " Director

(2) " " D+D

(4) Shadan-

Total Distance Francelled-3+4=(7)

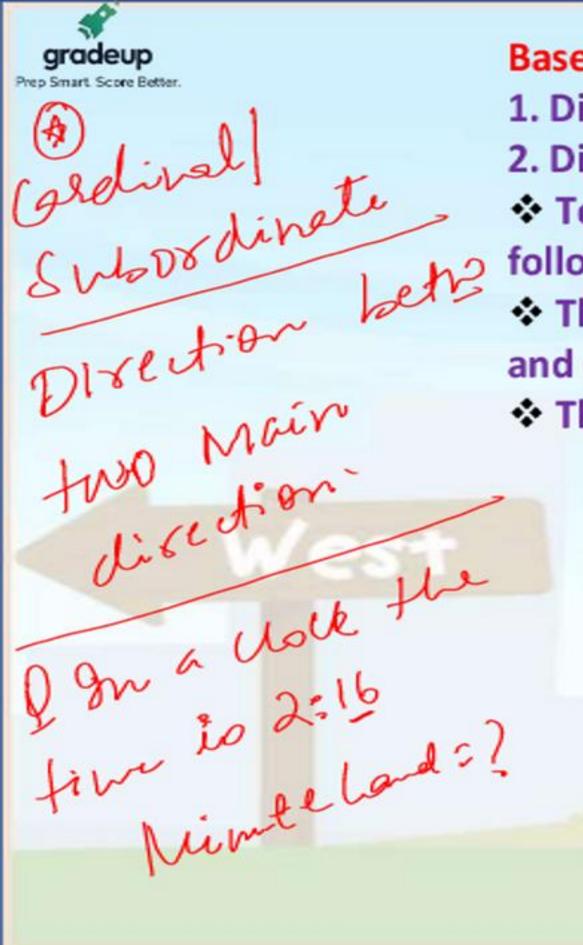


Dist (shortest Dist)

(Air distance) (Displa Cement)

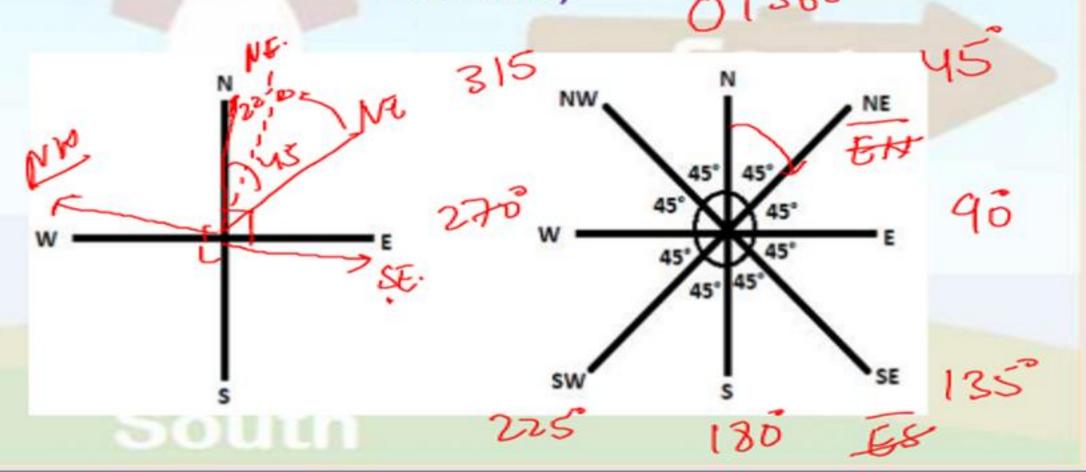
Ac2= AB2+BC2 = 32+42

AC = J9+16 = J25=(5)



Based on the two principles: (4) Main di scation

- 1. Distance
- 2. Direction
- To find out the required answer, we need to make a diagram follow up with the information given.
- * Thus, these kinds of questions are based on simple distance and direction puzzle.
- The direction chart given below shows the four main directions, 360



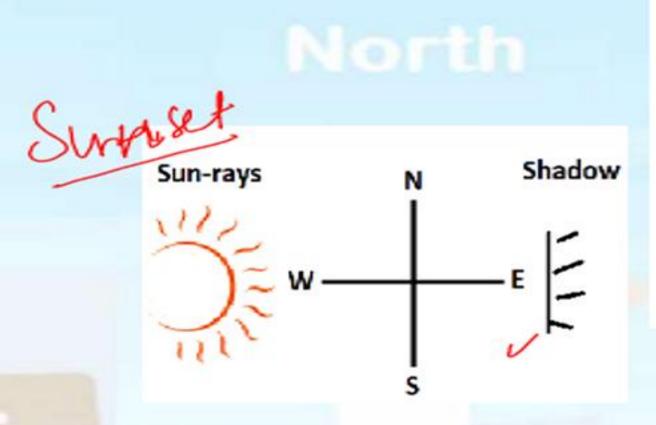


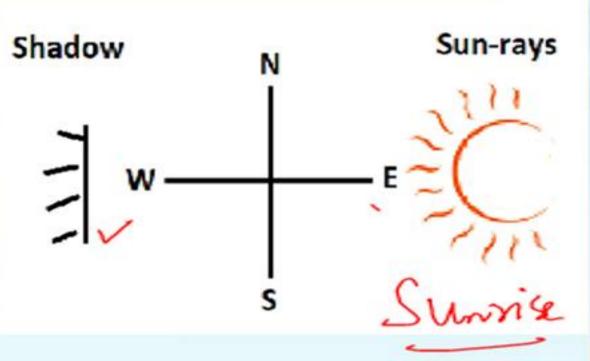
Tricks left | Right turn = 90. 1 left + 1 Right = 0° (No Change). 2 left of 2 Right = 180 (opp direction). 3 left = 1 Right (ville verse) 4 left / 4 Right = 0° (360) (No change) 45° CW+45° ACW = Nolhange.

gradeup Mind tock wise Right Counte Clockwill South

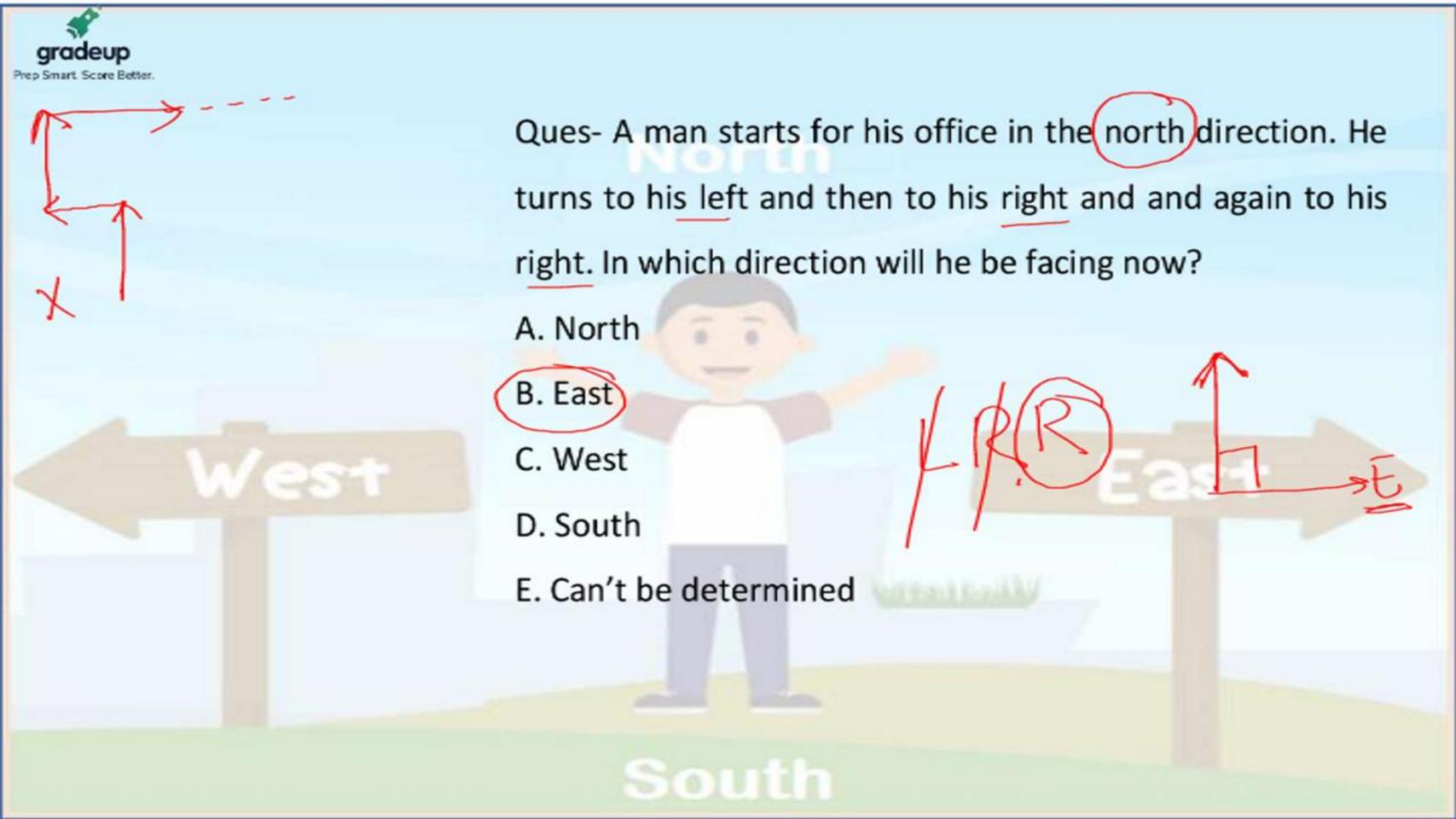


Important Points To Keep In Mind





- At exactly 12o'clock there is no shadow formed.
- Note: If it is given that a person moved towards the left or right side, we assume that the movement is at an angle of 90 degrees.







17+3-55 12+3 12+3 12+3

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

A. North east

B. East

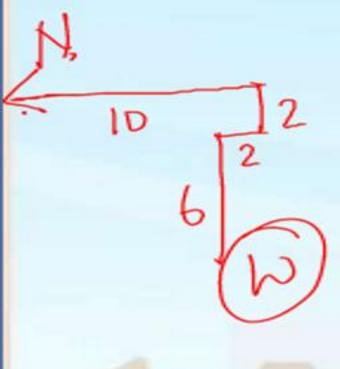
C. West

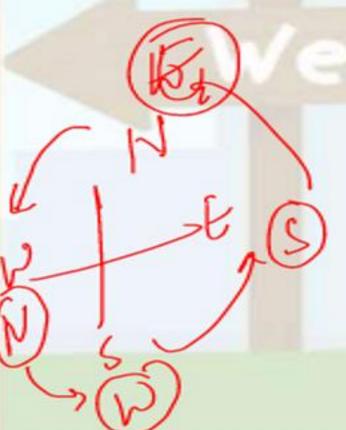
D. South west

E. Can't be detremined

45 (12 + 180 (12) + 270 A(12)
225 (12) + 270 A(12)
45 A (12)

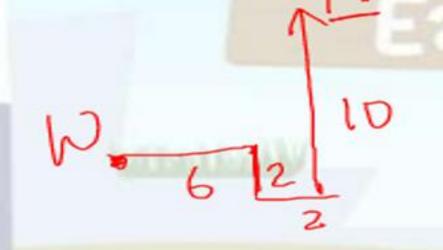




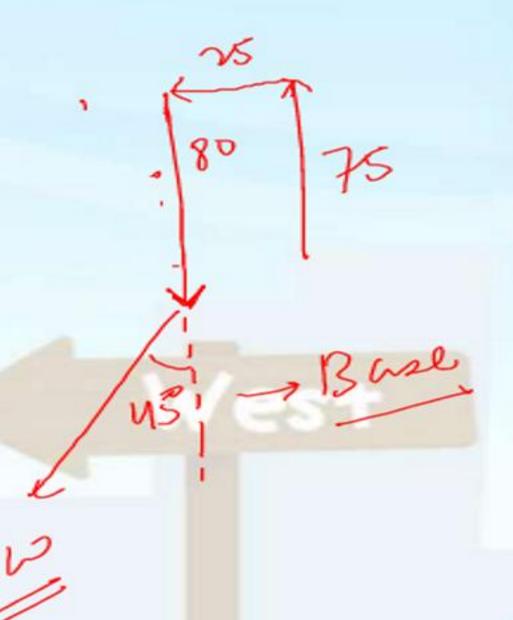


Ques- After walking 6km, I turned right and walked 2km then turned left and covered a distance of 2km then again I turned left and covered a distance of 10km. In the end I was walking towards the north. From which direction did I start my journey?

- A. North
- B. East
- C West
- D. South
- E. Can't be detremined



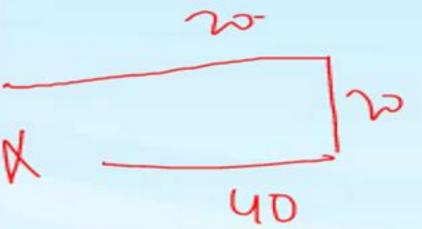




Ques- Deepika moved a distance of 75m towards the north. She then turned to the left and walking for about 25m turned left again and walked 80m, finally she turned to the right at an angle of 45 degree. In which direction was she facing now?

- A. North west
- B. East
- C. West
- D. South west
- E. None





Ques- A cyclist rides 40km to east, turns north and rides 20km, again turns left and rides 20km. How far is he from the starting point?

A. 20 V3km

B. 20 V2km

C. 20km

D. 80km

E. None

2X2X2X loxo

12×252

400+400 2 [300 =>



115 15

Q. Point M is in the east of Point N at a distance of 10m.

Point N is in the

north of Point O at a distance of 15m. Point O is in the

west of Point Pata

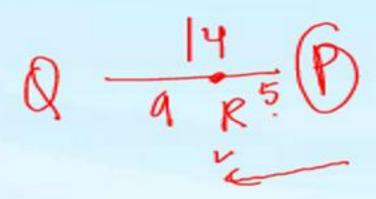
distance of 10m. Point P is in the north of Point Q at a distance of 17m.

Find the distance between M and Q?

A. 35m B. 32m

C. 22m D. 27m





Q. Shop P is at a distance of 14 cm in the east direction of Shop Q. Shop R

is at a distance of 9 cm in the east direction of Shop Q. What is the distance between Shop R and Shop P and find the direction of Shop R

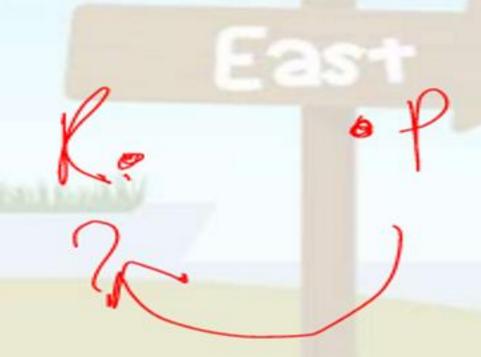
with respect to Shop P?

A. 5 cm, West

B. 5 cm, East

C. 7 cm, North

D. 7 cm, East





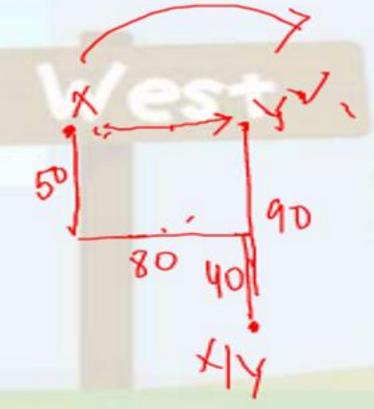
Q. X and Y start from the same point. X walks 40 m North, then turns West and walks 80 m, then turns to his right and walks 50 m. At the same time, Y walks 90 m North. Where is Y now with respect to the position of X?

A. Y is 30 m to the East of X

B. Y is 80 m to the West of X

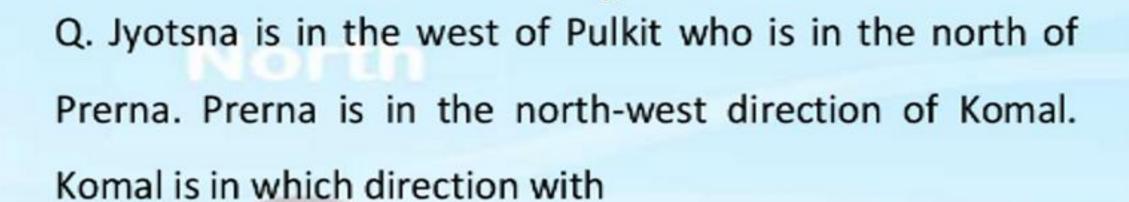
C. Y is 30 m to the West of X

D. Y is 80 m to the East of X









respect to Jyotsna?

- A. South-East
- B. East
- C. North-East
- D. South-West





Q. .Neeraj is facing north, then turns 45 degree right and goes 25 m, then turns in south-east direction to move 25m and from there 25 m to east.

In which direction is he from his original place?

A. North

B. East

C. West

D. South

45 RILW



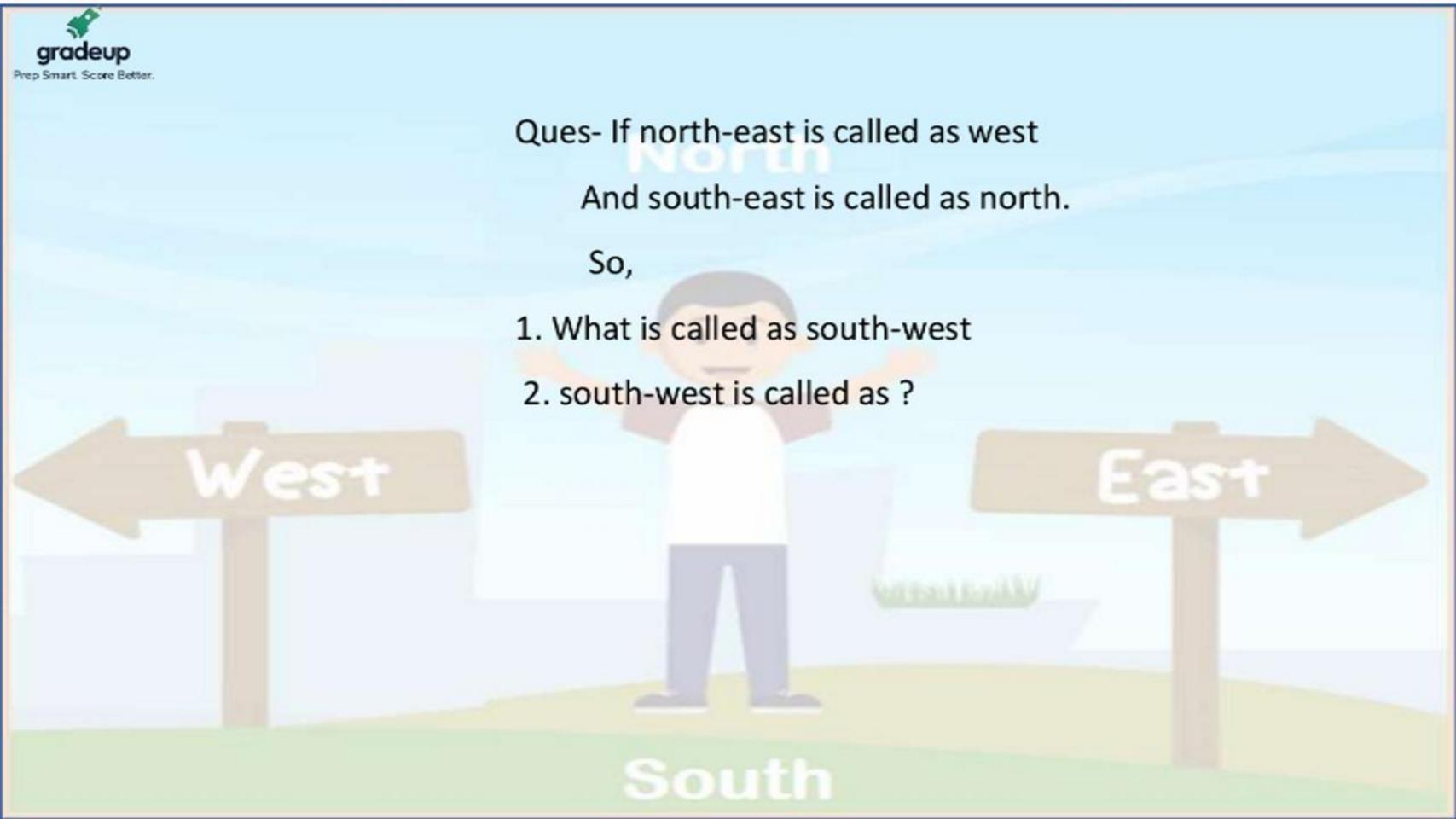
Q. A man walks 7 km towards south and turns to the left.

After walking 5km, he turns to the right and walks 7 km. In which direction is he now

from the starting point?

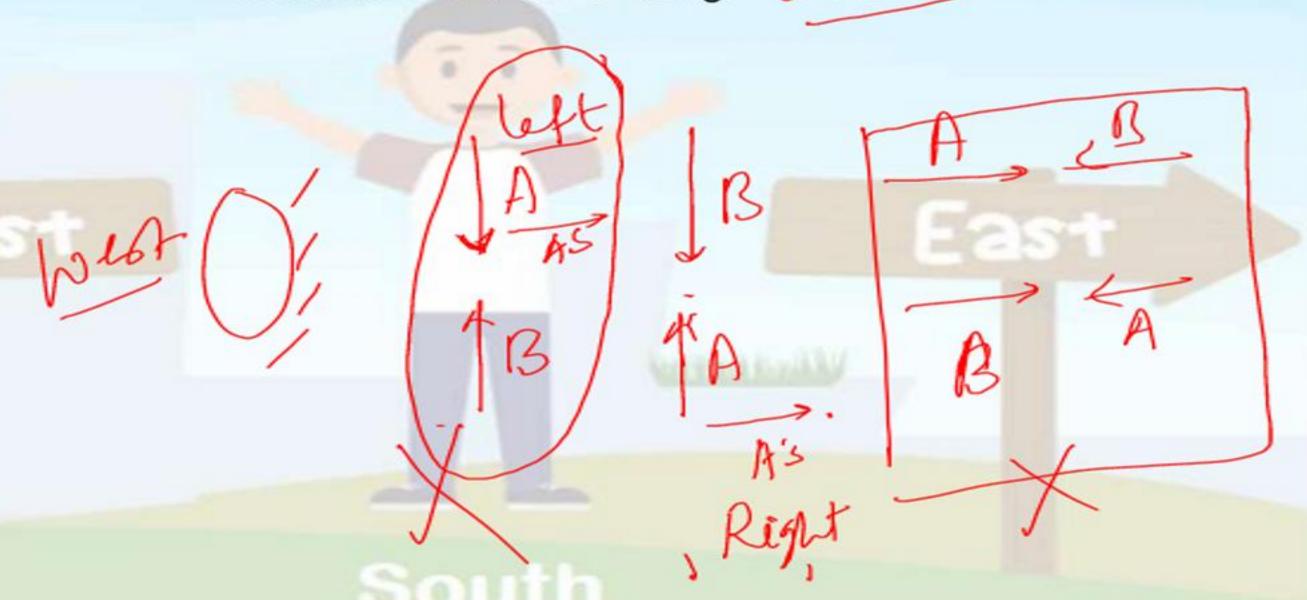
- A. West
- B. South
- C. South-East
- D. North-East

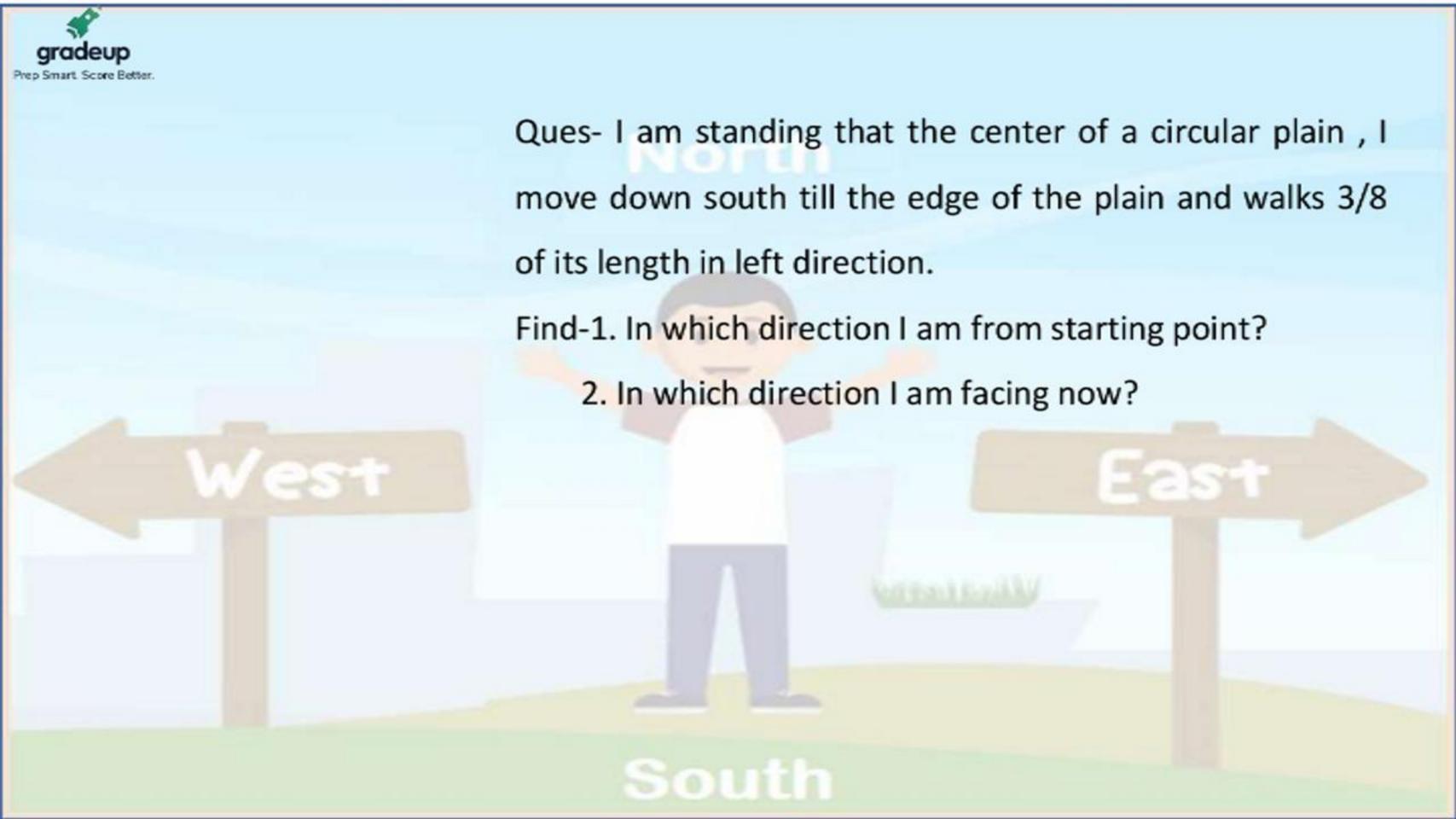






Ques- One evening before sunset A and B were facing to each other. If A's shadow was exactly to right of A than which direction was B facing?







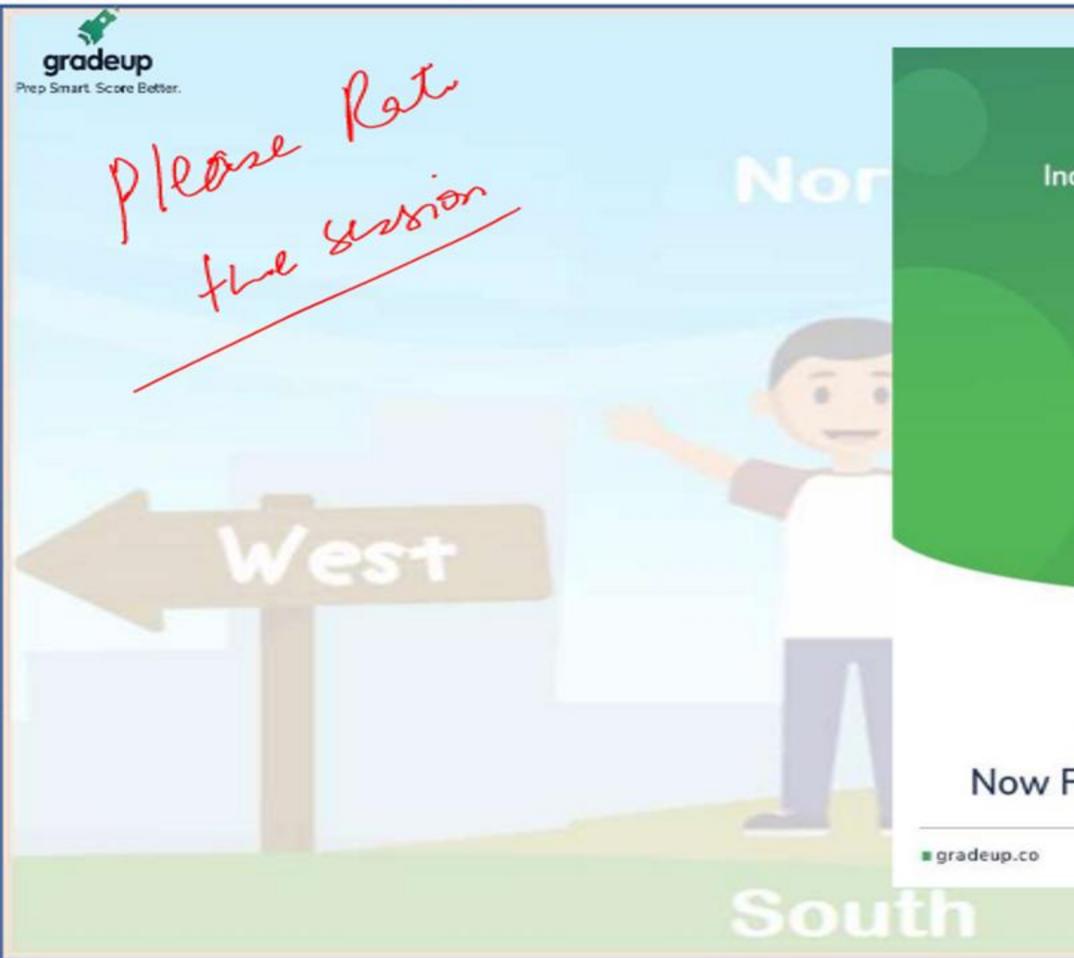


Key Takeaways

Mays (alderal) humbrete

left | Reght

East



gradeup

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, 213, 252, 302 160, 183 23 7 30 9 39 11 50 13 358,853,538, 9 53+6=131 73+5=348 34 ИD 18+452 = 10 30+34:54 = 32 18 12 : 40