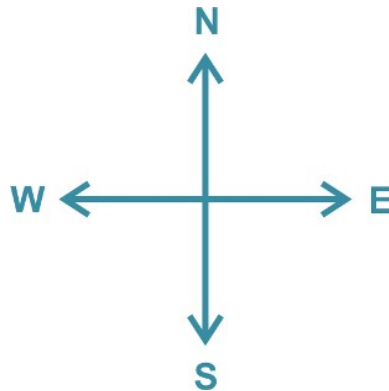


ROTATION CONCEPT

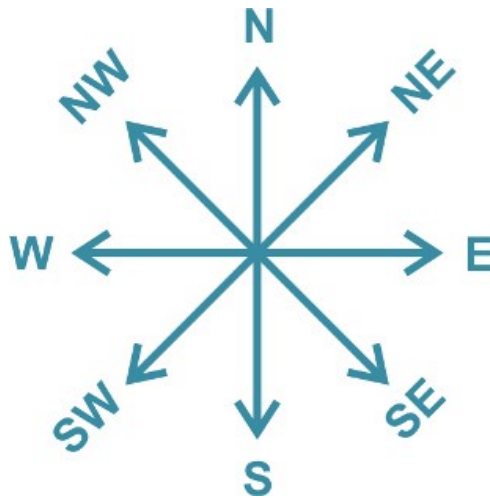
Direction Sense Test

From Direction Sense Chapter questions is given in exams about direction and select of direction puzzle. The questions is indicating a continuous follow up directions which is need to understands a student, after that relate the final direction between two direction points. These kinds of questions are given to check the direction sense and follow up ability of a student.

Before going to this chapter we have to know our four main directions (**North N, South S, East E, West W**) and there area which lies in between the direction points.



The area which is lies between direction points and that is: (**North East NE, North West NW, South East SE, South West SW**).

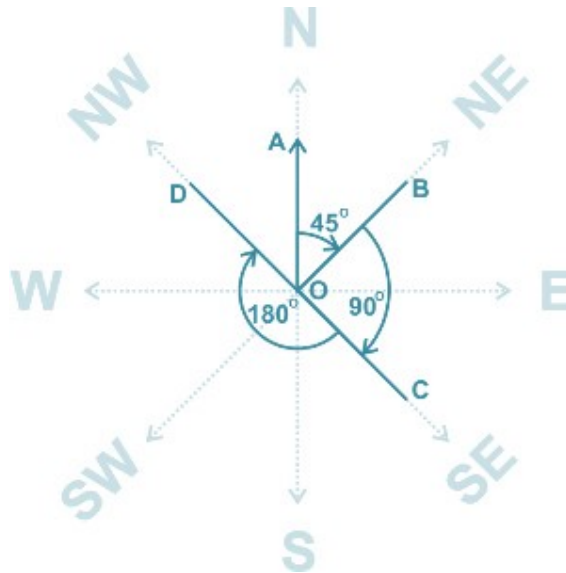


Example #1

Sabir is facing North. He turn 45° in the clockwise direction and then another 90° same direction and then again 180° in the clockwise direction. Which direction he is facing now ?

Solution:

From starting point facing towards north, which is OA then move to 45° in clockwise direction that is OB, then turn same direction 90° that is OC, then again turn 180° same direction, which is North-West and OD.

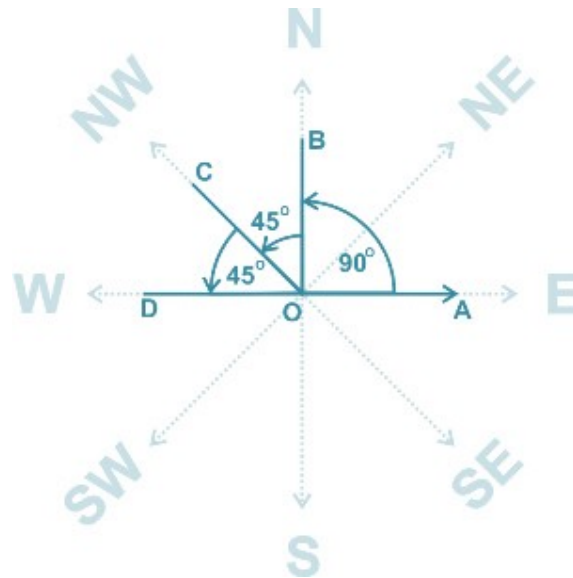


Example #2

Ujjal is facing East, He turn 90 degree in the anticlockwise direction and then another 45° same direction, again 45° same direction. Which direction he is facing now ?

Solution:

From starting point facing towards East. which is OA, then turn 90° in the anticlockwise direction that is OB, then turn same direction 45° that is OC, again turn same direction 45° , which is OD, So he is facing Now West.

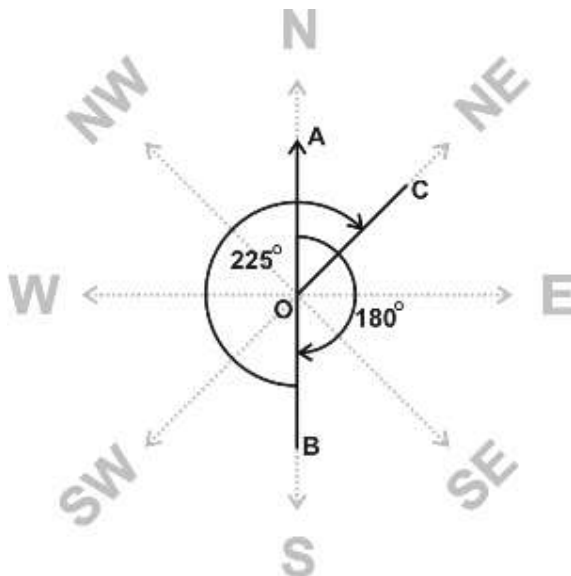


Example #3

A women is facing North. He turns 180° in the clockwise and the 225° in the clockwise direction, which direction he is facing now ?

Solution:

Women facing initially North that is OA, then turn clockwise 180° that is OB, and the same direction turn 225° , that is OC. He facing now OC that is North-East.

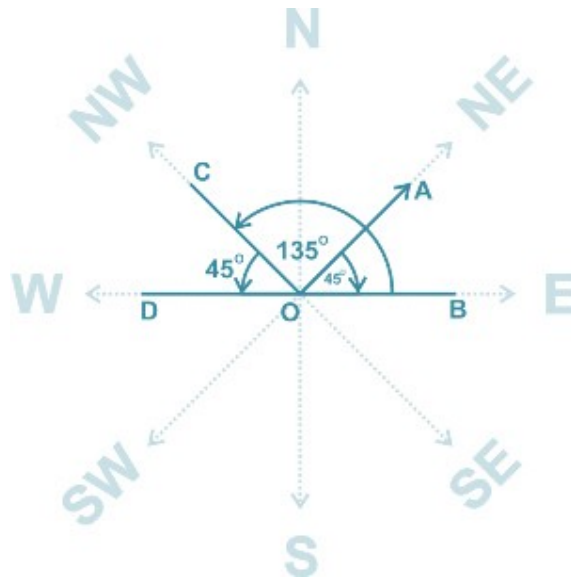


Example #4

A boy is facing North-East. He turns 45° in the clockwise direction, then 135° in the anticlockwise direction and then another 45° in the anticlockwise direction. Which direction is he facing now?

Solution:

Boy facing at first north-east then he turns clockwise 45° then turns anticlockwise and then 45° in the same direction. Now he is facing in the west direction.

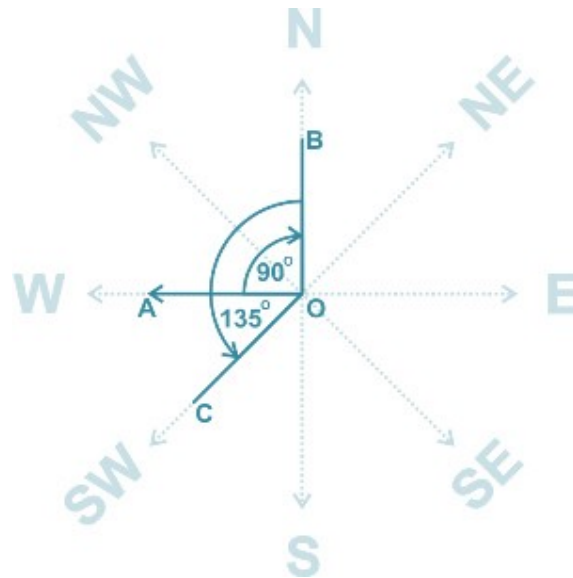


Example #5

An old man facing west. He turns 90° in the clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now?

Solution:

South-West.

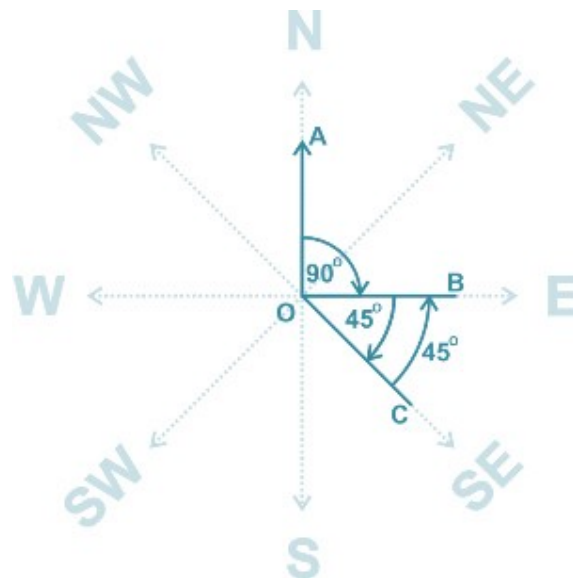


Example #6

A girl facing North. She turns 90° in the clockwise direction and then she turn same direction with 45° , again turn anticlockwise 45° , which direction she is facing now ?

Solution:

Initially girl standing facing north then she turn 90° clockwise the she turn same direction with 45° then turn anticlockwise 45° , she facing now East.

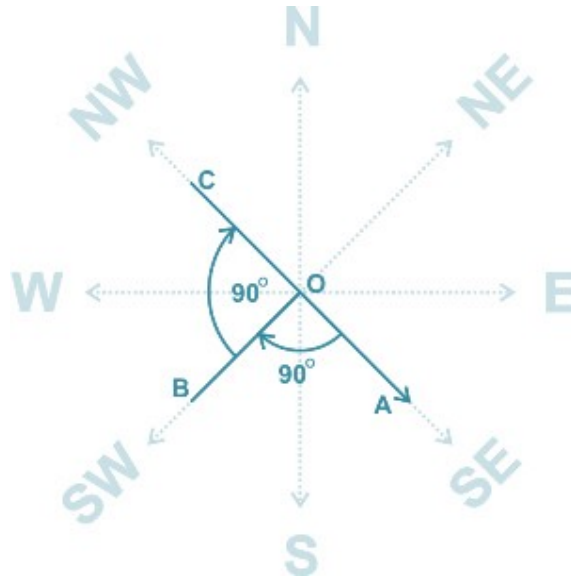


Example #7

A boy facing South-East. He turn 90° in the clockwise direction then he turn 90° again clockwise, which direction he is facing now ?

Solution:

North-West

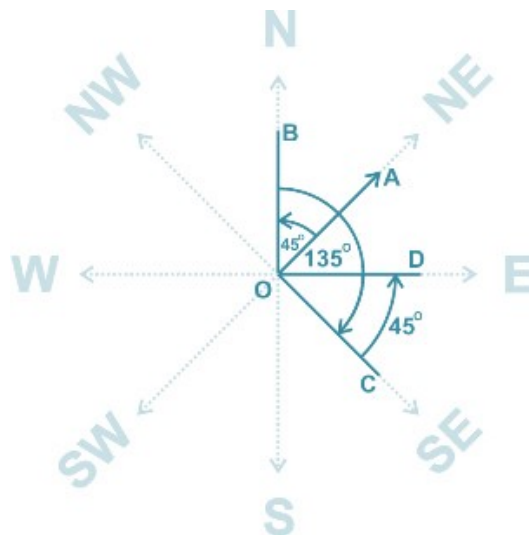


Example #8

A man facing north-east, turn 45° in the anticlockwise direction and then turn clockwise 135° , then turn 45° anti clockwise, which direction he is facing now ?

Solution:

East.

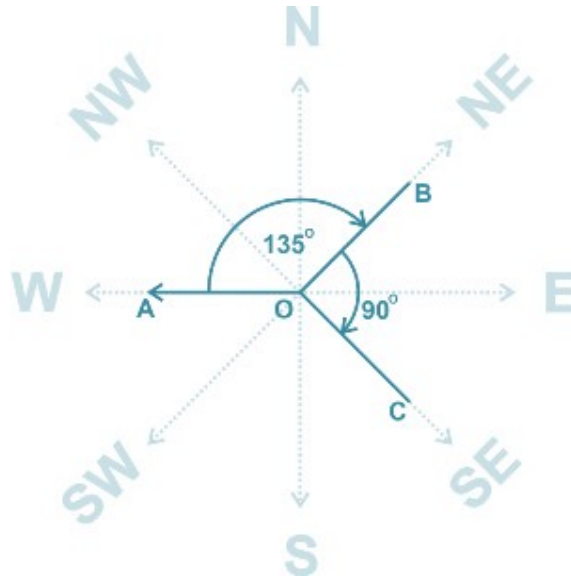


Example #9

A child is standing in the west direction, he turn 135° clockwise and again turn 90° same direction, which direction he is standing now ?

Solution:

South-East.



Example #10

A women facing North-East. She turns 45° in the anticlockwise direction, then she turn 45° in the same direction and then 90° clockwise direction. Which direction is she facing now ?

Solution:

North-East.

