

OLYMPIAD · MENTAL ABILITY · OLYMPIAD PREPARATION · DPP SHEET

Chapter 4: Direction Sense

Daily practice problems: 10 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. A man faces north and turns right. Which direction does he face?
2. A woman faces west and turns left. Which direction does she face?
3. Meena walks 3 km south and then 4 km west. How far is she from the start?
4. Arun walks 8 km east and then 15 km north. How far is he from the start?
5. A boy faces east, turns right and then right again. Which direction does he face?
6. In the morning a boy faces the sun. In which direction is his right hand?
7. In the evening a man stands so that his shadow is in front of him. Which direction is his left hand?
8. Priya walks 5 km north, then 3 km east, then 5 km south. How far and in which direction is she from the start?
9. A person faces north-east and turns 90° clockwise. Which direction does he face?
10. A person faces south-west and turns through 180° . Which direction does he face?

Answer Key

1. East.
2. South.
3. 5 km ($\sqrt{3^2 + 4^2} = 5$).
4. 17 km ($\sqrt{8^2 + 15^2} = 17$).
5. West.
6. South (he faces east).
7. North (the shadow falls to the east, so he faces east, and his left hand points north).
8. 3 km, towards the east.
9. South-east.
10. North-east.

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