Year 9 Bearings and Transformations – Foundation

HappyKids.fit

Year 9 · Maths · Bearings, Coordinates and Transformations · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Bearing, map and coordinate skills

1. The bearing of Q from P is 212°. Find the bearing of P from Q.

Answer _____

2. Write the direction west as a three-figure bearing, then give the bearing of the opposite direction.

Answer _____

3. A plan of a room has a scale of 1 : 50. On the plan the room is 16 cm by 14 cm. Find the real length and width of the room in metres.

Answer _____

4. A plan of a room has a scale of 1 : 200. On the plan the room is 8 cm by 10 cm. Find the real length and width of the room in metres.

Answer _____

5. On a map with a scale of 1 : 200 000, how long is a road that is 16 km long in real life?

Answer _____

6. M (2, 0) is the midpoint of the line segment AB. A is (6, −6). Find the coordinates of B.

Answer _____

7. M (−3, −4) is the midpoint of the line segment AB. A is (1, 5). Find the coordinates of B.

Answer _____

8. P is one third of the way along the line segment from A (2, −6) to B (8, −9). Find the coordinates of P.

Answer _____

9. P lies on the line segment from A (1, 4) to B (−7, −4) so that AP : PB = 3 : 5. Find the coordinates of P.

Answer _____

10. On a plan of a park with a scale of 1 : 200, a straight path is 5.8 cm long. How long is the real path in metres?

Answer _____