125. Measuring Lines, Angles, and Bearings

Practice Questions

1. What instrument is used to measure angles?
2. What is the bearing of north?
3. What is the bearing of east?
4. What is the bearing of south-west?
5. The bearing from point A to point B is 120°. What is the bearing from B to A?
6. The bearing from A to B is 245°. Find the bearing from B to A.
7. Two ships are 100 km apart. One ship is at a bearing of 030° from the other. What is the bearing from the second ship back to the first?
8. Find the missing angle in a triangle with angles 55° and 72°.
9. Find the missing angle in a quadrilateral with angles 110°, 85°, and 60°.
10. A cyclist moves 10 km due north, then 6 km due east. What is the bearing from their starting point to their final position?

Scenario Questions

1. A plane takes off from an airport at a bearing of 050°. What is its direction in words?
2. A ship sails 200 km on a bearing of 135°. What direction is it heading?
3. A lighthouse is at a bearing of 280° from a boat. What is the bearing from the lighthouse to the boat?
4. A taxi leaves a hotel on a bearing of 215°. What direction is it traveling in?
5. A drone moves 8 m north and 6 m east. Find its bearing from the start point.
6. A plane travels 300 km due east, then 400 km due north. Find its bearing from the starting position.
7. A hiker walks 4 km west, then 3 km north. Find their bearing from the start point.
8. A fire station is at a bearing of 200° from a park. What is the bearing from the fire station to the park?
9. A rescue helicopter flies 500 km due north, then 200 km due west. Find its bearing from the starting point.
10. A ship moves on a bearing of 100° for 50 km, then on a bearing of 190° for 30 km. Find its final position's approximate bearing from the start.

Extra Content for Foundation GCSE

125. Measuring Lines, Angles, and Bearings

Practice Questions

1. Protractor
2. 000°
3. 090°
4. 225°
5. 300°
6. 065°
7. 210°
8. 53°
9. 105°
10. 031°

Scenario Questions

1. North-east
2. South-east
3. 100°
4. South-west
5. 053°
6. 053°
7. 323°
8. 020°
9. 338°
10. 130°