BEARINGS
GRADE 9

1. Draw a rough sketch to illustrate each of the following bearings. Mark the angle in your sketch.

   (a) From a point P, the bearing of a point Q is 30°.

   (b) From a place A, the bearing of a place B is 140°.

   (c) The bearing of a point K from a point L is 250°.

   (d) The bearing of a place M from a place N is 330°.

2. Draw a rough sketch to illustrate each of the following bearings. Mark the angle in your sketch.

   (a) From a ship, P, the bearing of a yacht, Q, is 50°.

   (b) From a point, H, the bearing of a mosque, C, is 220°.

   (c) From an aircraft, A, the bearing of an airport, L, is 150°.

   (d) The bearing of a flagpole, F, from a tent, T, is 150°.

3. Draw a rough sketch to illustrate each of the following bearings. Mark the angle in your sketch.

   (a) The bearing of a ship S from a lighthouse L is 65°.

   (b) The bearing of a boat B from a harbour H is 175°.

   (c) The bearing of a plane P from an airport A is 315°.

   (d) From a building B, the bearing of an aerial A is 235°.

4. The bearing of a point A from a point B is 65°. State the bearing of B from A.

5. The bearing of a point P from a point Q is 70°. Determine the bearing of Q from P.

6. The bearing of a point K from a point L is 84°. Calculate the bearing of L from K.

7. The bearing of a point A from a point of B is 135°. State the bearing of B from A.

8. The bearing of a point P from a point Q is 155°. Determine the bearing of Q from P.

9. The bearing of a point K from a point L is 164°. Calculate the bearing of L from K.

10. The bearing of ship S from a yacht Y is 220°. State the bearing of the yacht Y from the ship S.

11. The bearing of a boat B from a harbour H is 250°. Calculate the bearing of the harbour H from the boat B.

12. The bearing of a place X from a place Y is 265°. Calculate the bearing of the place Y from the place X.

13. The bearing of an airport A from a plane P is 310°. State the bearing of the plane P from the airport A.

14. The bearing of submarine S from a port P is 325°. Evaluate the bearing of the port P from the submarine S.

15. The bearing of ship S from a harbour H is 339°. Calculate the bearing of the harbour H from the ship S.

16. By drawing a diagram, determine the distance travelled north and the distance travelled east by a plane flying on a bearing of 50° for 100 km.

17. By drawing a diagram, determine the distance travelled south and the distance travelled east by ship sailing on a bearing of 140° for 90 km.

18. By drawing a diagram, determine the distance travelled south and the distance travelled west by a car being driven on a bearing of 220° for 85 km.

19. By drawing a diagram, determine the distance travelled north and the distance travelled west by a yacht sailing on a bearing of 300° for 65 km.

20. Calculate the distance travelled north and the distance travelled east by a plane flying on a bearing of 45° for 165 km.

21. Evaluate the distance travelled south and the distance travelled east by a ship sailing on a bearing of 158° for 95 km.

22. Calculate the distance travelled south and the distance travelled west by a car driving on a bearing of 225° for 100 km.

23. Determine the distance travelled north and the distance travelled west by a yacht sailing on a bearing of 325° for 87 km.

24. By drawing a diagram, determine the bearing on which a ship sails from port if it finishes 40 km east and 20 km south.

25. By drawing a diagram, determine the bearing on which a plane files from an airport if it finishes 35 km west and 75 km south.

26. By drawing a diagram, determine the bearing on which a yacht sails from harbour if it finishes 40 km west and 50 km north.

27. By drawing a diagram, determine the bearing on which a car drives from a park if it finishes 39 km east and 52 km north.

28. Calculate the bearing on which a plane flies from an airport if it finishes 75 km east and 30 km north.

29. Determine the bearing on which a ship sails from port if it finishes 65 km west and 20 km north.

30. Calculate the bearing on which a yacht sails from harbour if it finishes 48 km west and 100 km south.

31. Determine the bearing on which a car drives from a park if it finishes 30 km east and 75 km south.

32. From a point P, the bearing of a tree, T, is 60°. From a second point Q, which is 200 m due east of P, the bearing of the tree is 330°. Use a scale of 1 cm to 20 m to make a scale diagram and determine the distance of the tree from P.