



Name: _____ **Date:** _____ **Score:** _____ / 50

1 Write down the three-figure bearing of the direction

a. due east

b. due south-west

(2 marks)

Answer _____

2 Town B is on a bearing of 065° from town A.

Work out the bearing of A from B.

(2 marks)

Answer _____

3 The bearing of a ship S from a lighthouse L is 038° .

Work out the bearing of L from S.

(2 marks)

Answer _____

4 The bearing of a harbour H from a lighthouse L is 312° .

Work out the bearing of L from H.

(2 marks)

Answer _____

5 The bearing of a port Q from a port P is 295° .

Work out the bearing of P from Q.

(2 marks)

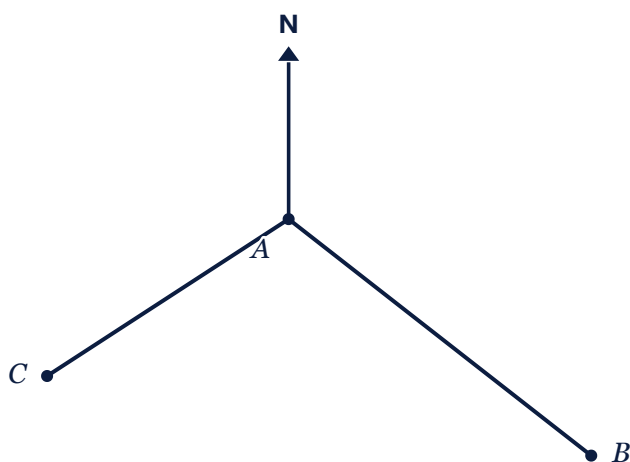
Answer _____

- 6** A ship sails from port P due east to port Q.
It then sails from Q to port R. The bearing of R from Q is 200° .
Work out the bearing of Q from R. Give your answer as a three-figure bearing.

(3 marks)

Answer _____

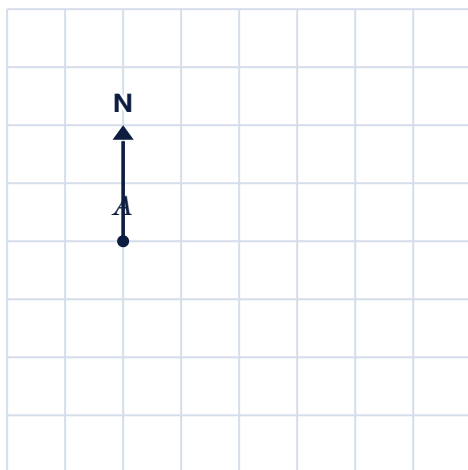
- 7** The diagram shows three points A , B and C .
a. Use a protractor to measure the bearing of B from A .
b. Use a protractor to measure the bearing of C from A .



(3 marks)

Answer _____

- 8 The scale of a map is 1 cm to 2 km.
Village B is 8 km from village A on a bearing of 110° .
Mark the position of B on the map with a cross.



(3 marks)

Answer _____

- 9 Village B is on a bearing of 084° from village A.
Village C is on a bearing of 167° from village B.
a. Write down the bearing of A from B.
b. Work out the size of angle ABC.

(3 marks)

Answer _____

- 10** A plane flies in a straight line from airport A to airport B on a bearing of 068° .
It then flies in a straight line from B to airport C on a bearing of 155° .
Work out the size of angle ABC.

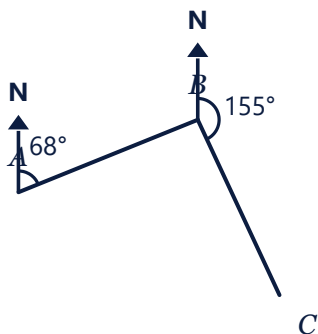


Diagram NOT accurately drawn

(3 marks)

Answer _____

- 11** A boat sails from a harbour H on a bearing of 050° to a buoy Q.
It then sails due south from Q to a point R. R is due east of H.
a. Write down the bearing of H from Q.
b. Work out the size of angle HQR.

(3 marks)

Answer _____

- 12** B is on a bearing of 060° from A.
 C is on a bearing of 140° from A.
 $AB = AC$.
 Work out the bearing of C from B.

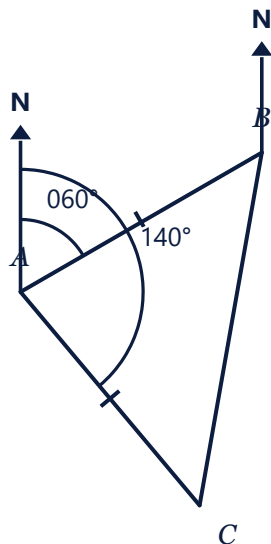


Diagram NOT accurately drawn

(3 marks)

Answer _____

- 13** A walker leaves a car park C and walks 5 km due north to a lake L. She then walks 12 km due west to a viewpoint V.
- Work out the straight-line distance CV.
 - Work out the bearing of C from V. Give your answer to the nearest degree.

(5 marks)

Answer _____

14 A map has a scale of 1 : 50 000.

On the map, the distance from a church to a school is 6 cm.

The bearing of the school from the church is 132° .

- Work out the real distance from the church to the school. Give your answer in kilometres.
- Work out the bearing of the church from the school.

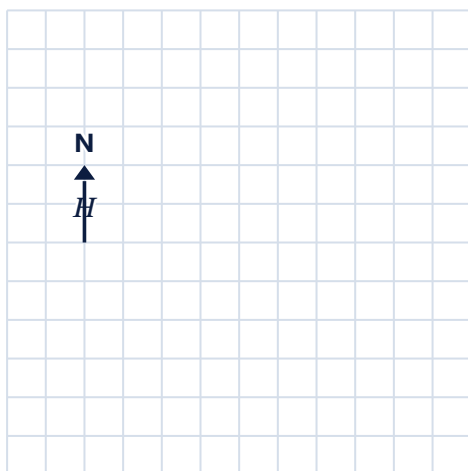
(4 marks)

Answer _____

15 A boat leaves a harbour H and sails 10 km on a bearing of 070° to a buoy B.

It then sails 8 km on a bearing of 150° to a point C.

- Using a scale of 1 cm to 2 km, make an accurate scale drawing of the journey.
- Use your drawing to find the distance and the bearing of C from H.



(5 marks)

Answer _____

16

B is 15 km due east of A.

C is 9 km due south of B.

- Work out the distance AC. Give your answer correct to 1 decimal place.
- Work out the bearing of C from A. Give your answer correct to the nearest degree.

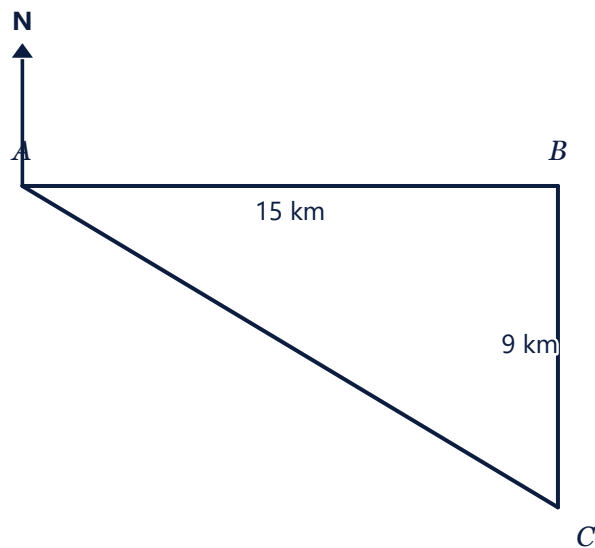


Diagram NOT accurately drawn

(5 marks)

Answer

End of questions | Total 50 marks