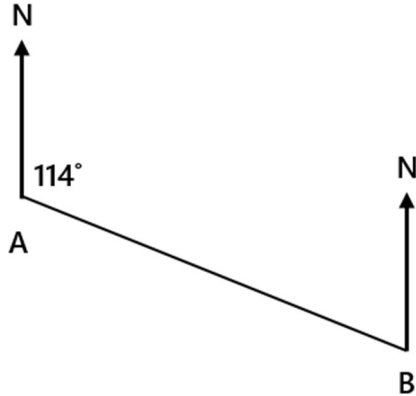
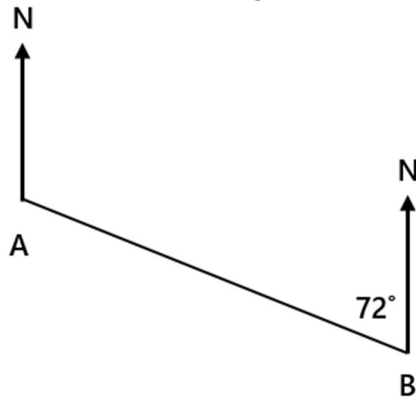


BEARINGS

1) Work out the bearing of B from A.



2) Work out the bearing of B from A.



3) Two points A and B are shown on the diagram below.

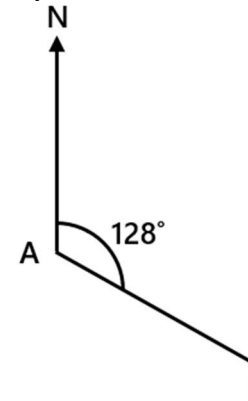


Diagram not accurately drawn

- Work out the bearing of B from A.
- Work out the bearing of A from B.

4) Two points A and B are shown on the diagram below.

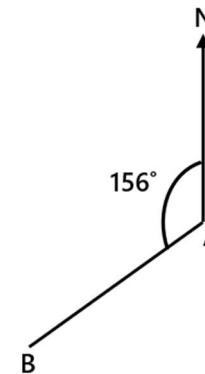


Diagram not accurately drawn

- Work out the bearing of B from A.
- Work out the bearing of A from B.

5) Three points S, R and Q are shown on the diagram below.

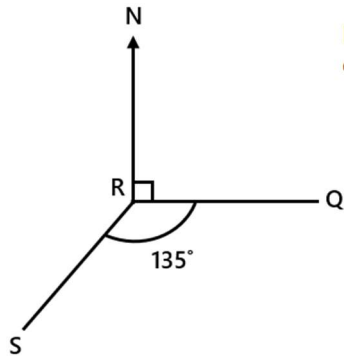


Diagram not accurately drawn

Work out the bearing of S from R.

6) Three points R, S and Q are shown on the diagram below.

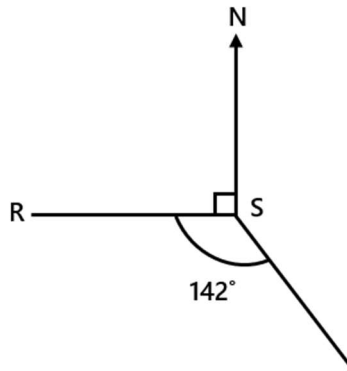


Diagram not accurately drawn

- Work out the bearing of R from S.
- Work out the bearing of S from Q.

7) Three points P, R and Q are shown on the diagram below.

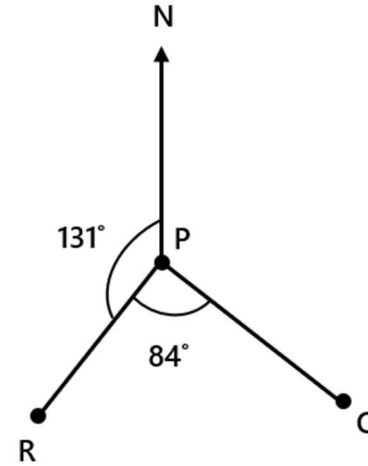
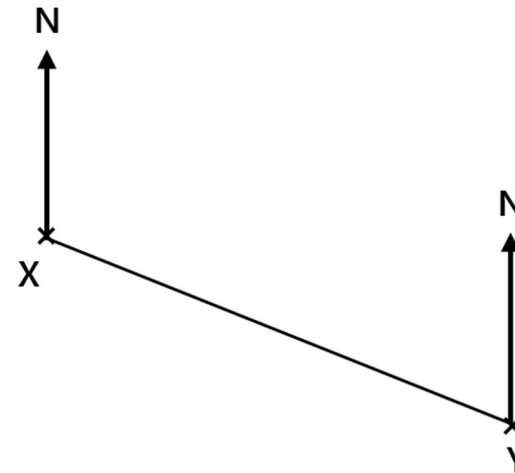


Diagram not accurately drawn

- Work out the bearing of R from P.
- Work out the bearing of P from Q.
- Work out the bearing of P from R.

8) Two points X and Y are shown on the diagram below.



- Measure the bearing of Y from X.
- Measure the bearing of X from Y.

9) The diagram shows the point B.



C is 3 cm from B on a bearing of 050° .

Draw the three-figure bearing of C from B.

10) The diagram shows the position of a hospital, H, on a map.



A school is 8 km from the hospital on a bearing of 078° .

Mark the position of the school with a cross (x).

Use a scale of 1 cm to 2 km.

11) The diagram shows the position of a movie theatre, m, on a map.



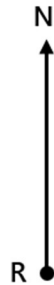
A church is 7000 metres from the movie theatre on a bearing of 290° .

Mark the position of the church with a cross (x).

Use a scale of 1 cm to 2 km.

12) The scale diagram shows the position of a city, R, on a map.

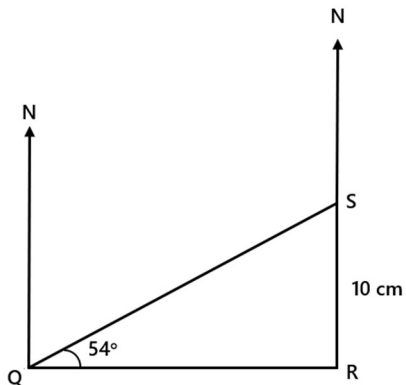
Scale: 1 cm represents 200 km



Another city, S, is on a bearing of 120° from R.
The distance from R to S is 1200 km.

- Mark the position of S from R with a cross (x).
Label the cross S.
- Express the scale of the map as a ratio in the form 1 : n.

13) Triangle QRS is a right-angled triangle.
Work out the bearing of Q from S.



- The bearing of a ship from a harbour is 210° .
Work out the bearing of the harbour from the ship.
- The bearing of a mountain summit from a campsite is 120° .
Work out the bearing of the campsite from the mountain summit.
- The bearing of Big Ben from the London Eye is 130° .
Work out the bearing of the London Eye from Big Ben.
- The bearing of Rome from Athens is 305° .
Work out the bearing of Athens from Rome.
- What is the bearing that points northeast?
- What is the bearing that points southwest?

Challenge

20) The diagram shows three points B, C and D.
Given that the angle CDB is 5° larger than the angle CBD, work out the bearing of D from B.

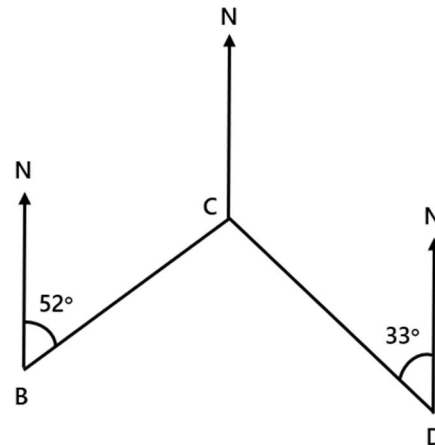


Diagram not accurately drawn