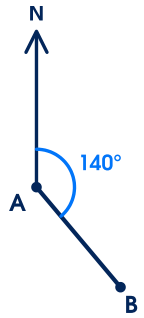
GCSE FOUNDATION · REVISION MAT 2

Bearings

1 Write down the bearing of B from A.



2 The bearing of B from A is 130°.

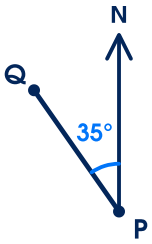
Work out the bearing of A from B.

3 The bearing of Q from P is 075°.

Kai says the bearing of P from Q is also 075°.

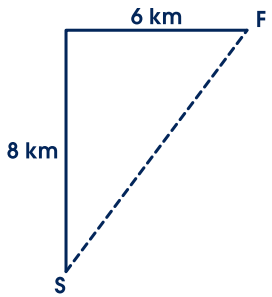
Explain why Kai is wrong.

4 The diagram shows the positions of P and Q.



Show that the bearing of Q from P is 325°.

5 A boat sails 8 km due north from S.
It then sails 6 km due east to F.



How far is the boat from S now?

6 On a map, 1 cm represents 5 km.

Town B is 4.5 cm from town A on the map, on a bearing of 125°.

(a) How far apart are the towns in real life?

(b) Work out the bearing of A from B.

ANSWERS · REVISION MAT 2

Bearings

1 Bearings are measured clockwise from north and written with three figures.

140°

2 130 + 180 = **310°**

3 Going back is the opposite direction, so add or subtract 180°.

Bearing of P from Q = **255°**

4 Bearings go clockwise from north.

360 − 35 = **325°** ✓

5 $\sqrt{(8^2 + 6^2)}$ = **10 km**

6 (a) 4.5 × 5 = **22.5 km**

(b) 125 + 180 = **305°**