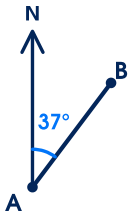
GCSE FOUNDATION · REVISION MAT 3

Bearings

1 Write down the bearing of B from A.



2 The bearing of B from A is 220°.

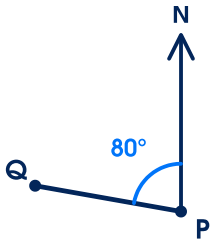
Work out the bearing of A from B.

3 The bearing of Q from P is 250°.

Lin says the bearing of P from Q is also 250°.

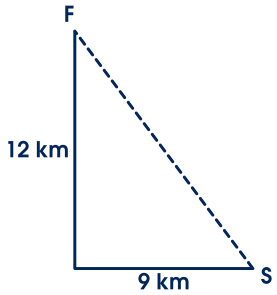
Explain why Lin is wrong.

4 The diagram shows the positions of P and Q.



Show that the bearing of Q from P is 280°.

5 A boat sails 9 km due west from S.
It then sails 12 km due north to F.



How far is the boat from S now?

6 On a map, 1 cm represents 3 km.

Town B is 7 cm from town A on the map, on a bearing of 210°.

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

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

Mr&Mrs MATHS

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

037°

2 220 − 180 = **040°**

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

Bearing of P from Q = **070°**

ANSWERS · REVISION MAT 3

Bearings

4 Bearings go clockwise from north.

360 − 80 = **280°** ✓

5 $\sqrt{(9^2 + 12^2)}$ = **15 km**

6 (a) 7 × 3 = **21 km**

(b) 210 − 180 = **030°**