

1 Map scales

A map has a scale of 1 : 40 000.

- a) Two lakes are 7.5 cm apart on the map. How far apart are they in real life? Give your answer in km.
- b) A cycle path is 5.2 km long. How long is it on the map?



2 Map scales: measuring

- a) Measure from the farm to the mill on this map. Work out the real distance in km.
- b) Which is nearer the farm, the mill or the church? By how many metres?

Scale 1 : 40 000

● Church

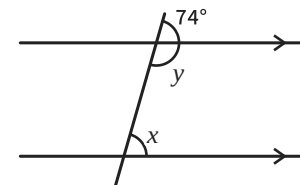
Farm ●

● Mill



3 Angles on parallel lines

- a) Work out angle x . Give a reason.
- b) Work out angle y . Give a reason.



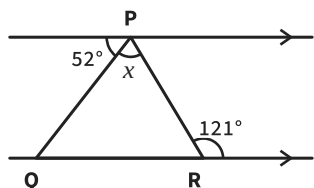
Not drawn accurately



4 Angles on parallel lines

The two horizontal lines are parallel.

- a) Work out angle PQR. Give a reason.
- b) Work out angle x .



Not drawn accurately



Angles 2

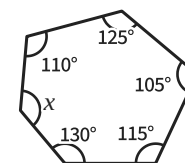
revision mat



Foundation A

5 Angles in regular polygons

- a) Work out the sum of the interior angles of an octagon.
- b) Work out angle x in this hexagon.



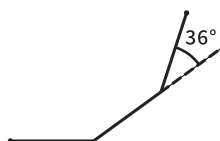
Not drawn accurately



6 Angles in regular polygons

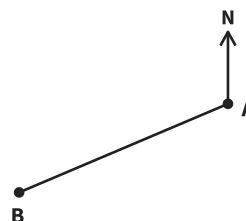
Part of a regular polygon is drawn. Each exterior angle is 36° .

- a) How many sides does the polygon have?
- b) Work out the size of each interior angle.



7 Bearings

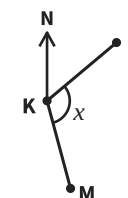
- a) Measure the bearing of B from A.
- b) Work out the bearing of A from B.



8 Bearings

The bearing of L from K is 050° . The bearing of M from K is 165° .

- a) Work out angle x .
- b) Work out the bearing of K from M.



Not drawn accurately

