

- 1** An equilateral triangle has side length 16 metres.
- Using ruler and compasses only, construct a scale drawing of the triangle.
- Use the scale 1 centimetre represents 2 metres.

[3 marks]

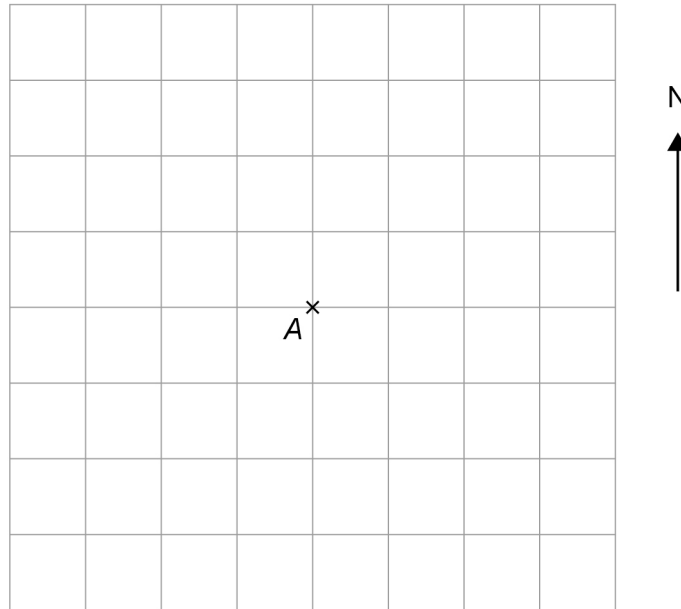
Scale: 1 cm represents 2 m

2 (a) Point B is 400 metres north east of point A .

Mark point B on the centimetre grid.

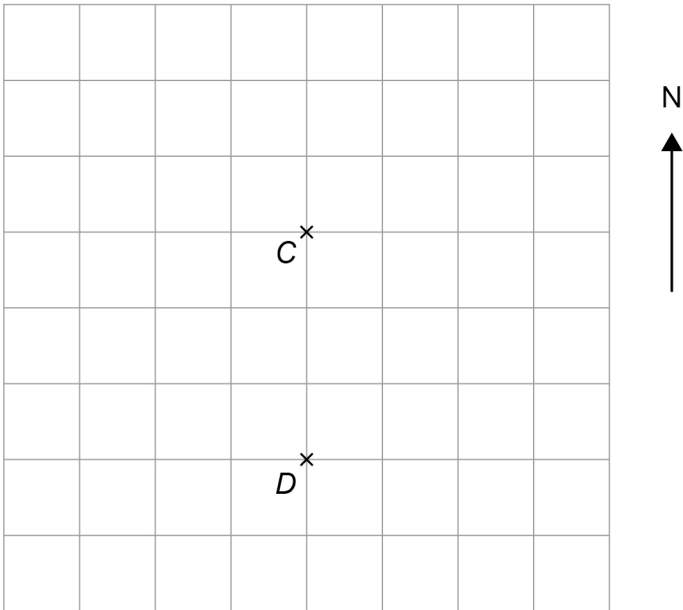
Use a scale of 1 centimetre represents 100 metres.

[2 marks]



Points C and D are shown on a different centimetre grid.

Scale: 1 : 1000



2 (b)

Work out the bearing of D from C .

[1 mark]

Answer _____°

2 (c)

Work out the actual distance, in metres, of D from C .
Use the scale 1 : 1000

[1 mark]

Answer _____ metres

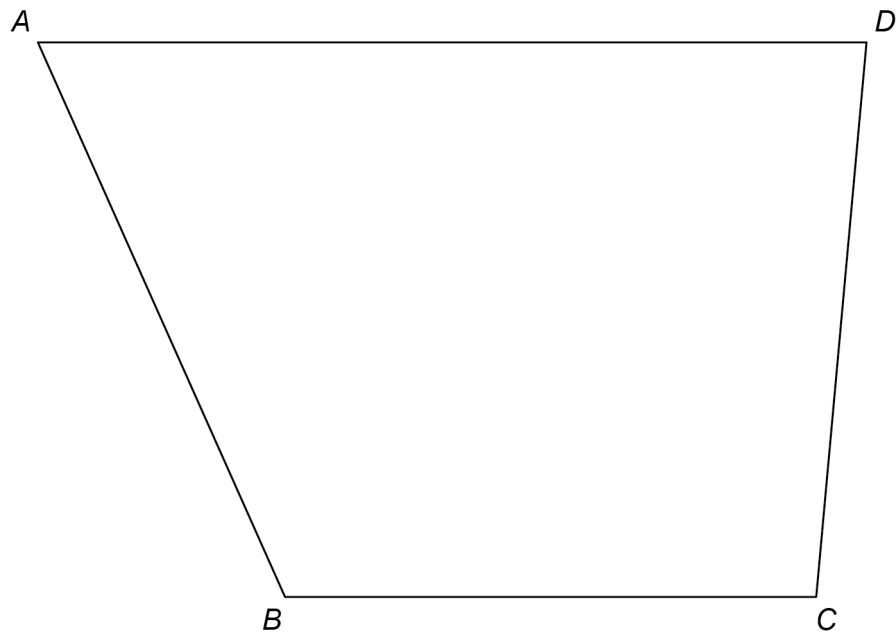
- 3 (a)** Complete an accurate drawing of triangle PQR so that
angle QPR is 53°
the length of side PR is 7.5 cm

[2 marks]



4 Use a ruler and compasses in this question.

$ABCD$ represents a garden.



A tree is to be planted in the garden.

The tree will be in the region that is closer to AB than to BC .

Label the region, R , where the tree could be planted.

Show all your construction lines.

[3 marks]

5

Quadrilateral $ABCD$ has

- angle $ABC = 90^\circ$
- $BC = 4\text{ cm}$
- CD is parallel to BA
- $CD = 6\text{ cm}$

Draw $ABCD$ on the centimetre grid.

AB has been drawn for you.

[3 marks]

