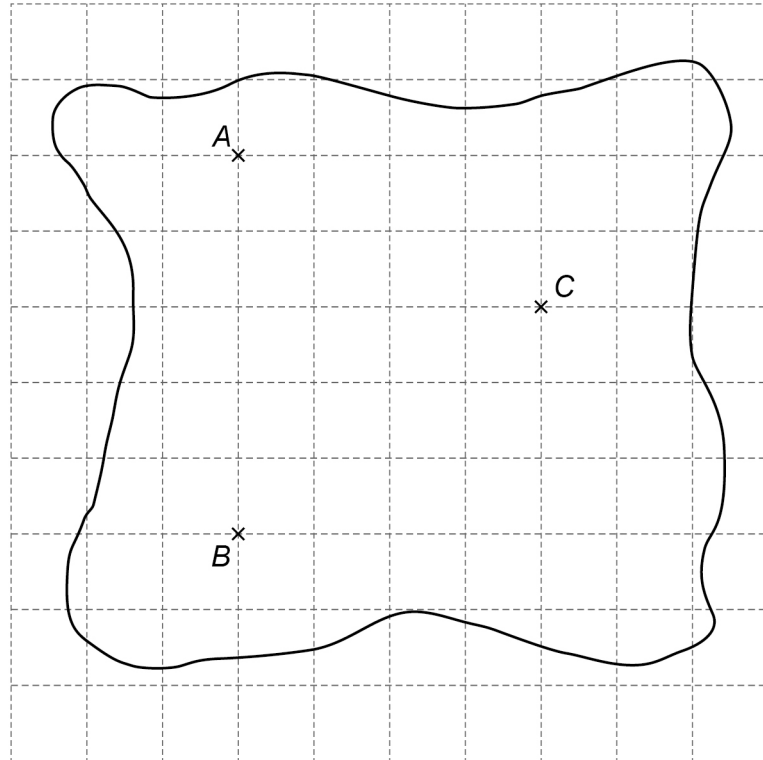


- 1** A map of an island is shown on a centimetre grid.
A, B and C are houses.



- 1 (a)** The actual distance between A and B is 1500 metres.

Show that the scale on the map is 1 : 30 000

[2 marks]

1 (b) Work out the actual distance between A and C.
Give your answer in kilometres.

[4 marks]

Answer _____ km

2 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]

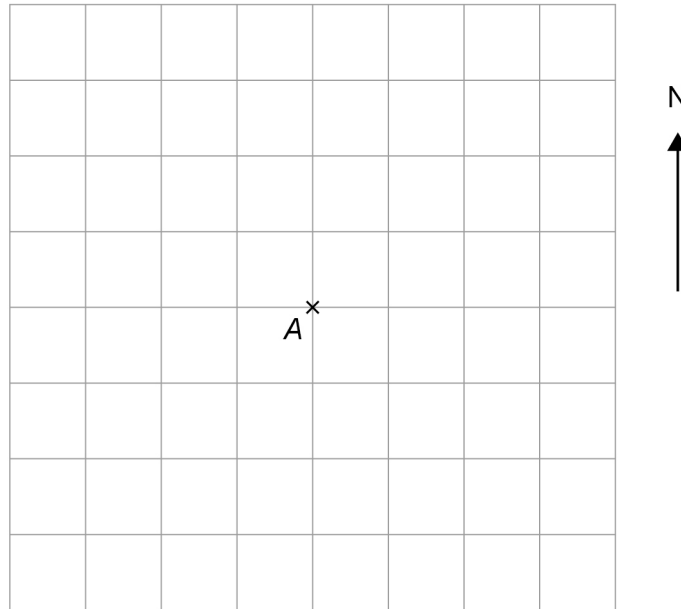
Scale: 1 cm represents 2 m

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

Mark point B on the centimetre grid.

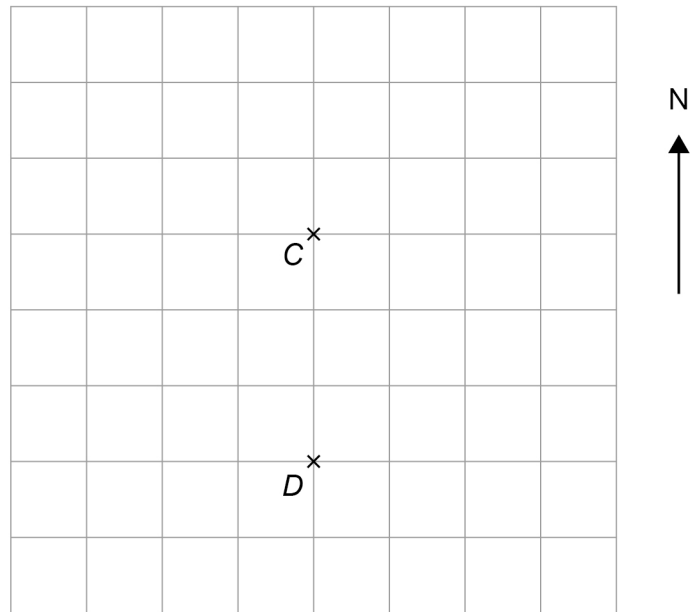
Use a scale of 1 centimetre represents 100 metres.

[2 marks]



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

Scale: 1 : 1000



3 (b)

Work out the bearing of D from C .

[1 mark]

Answer _____°

3 (c)

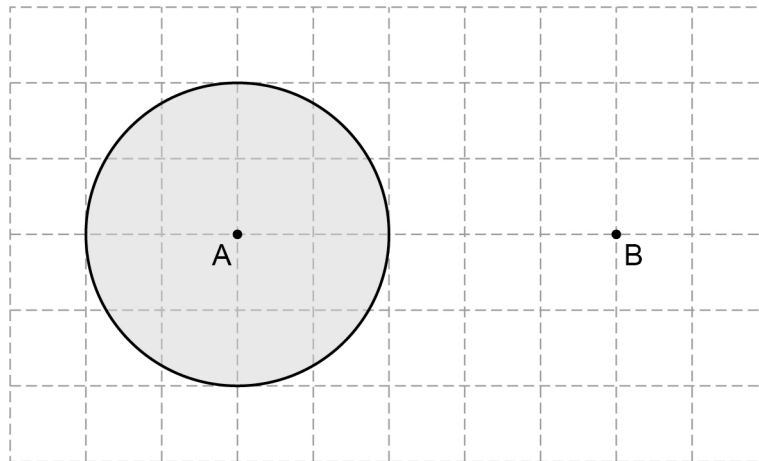
Work out the actual distance, in metres, of D from C .
Use the scale 1 : 1000

[1 mark]

Answer _____ metres

- 4 (a) Towns A and B are shown on a centimetre grid.

Scale: 1 cm represents 10 miles



What does the shaded area represent?

Tick **one** box.

[1 mark]

☐

All the points nearer to A than to B

☐

All the points at least 30 miles from B

☐

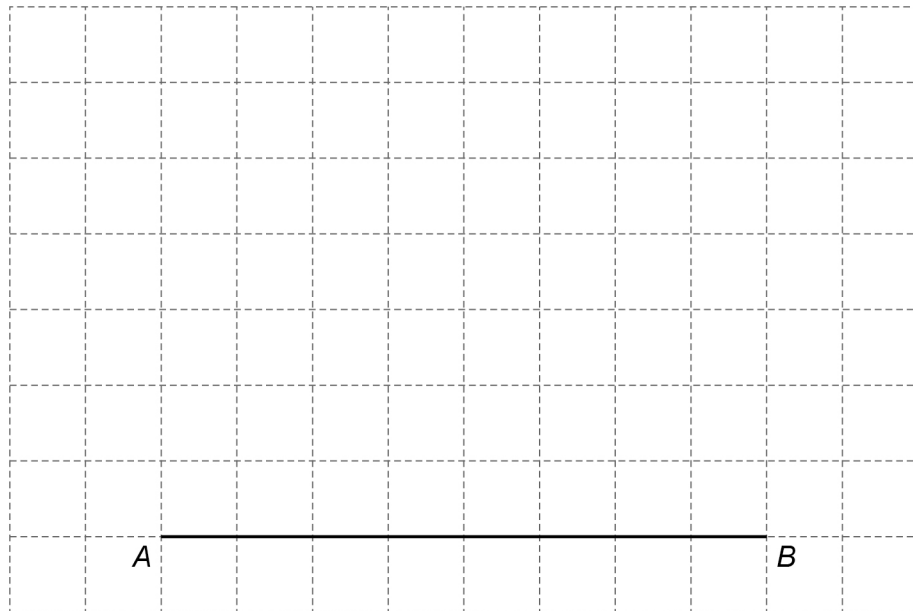
All the points halfway between A and B

☐

All the points within 20 miles of A

5Quadrilateral $ABCD$ 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]**

- 6 What is the **clockwise** turn from North to East?
Circle your answer.

[1 mark]

45°

90°

270°

315°