

**Q1.**

The map shows the positions of two ships, A and B.

Scale: 1 cm represents 2.5 km



Work out the actual distance between the ships.

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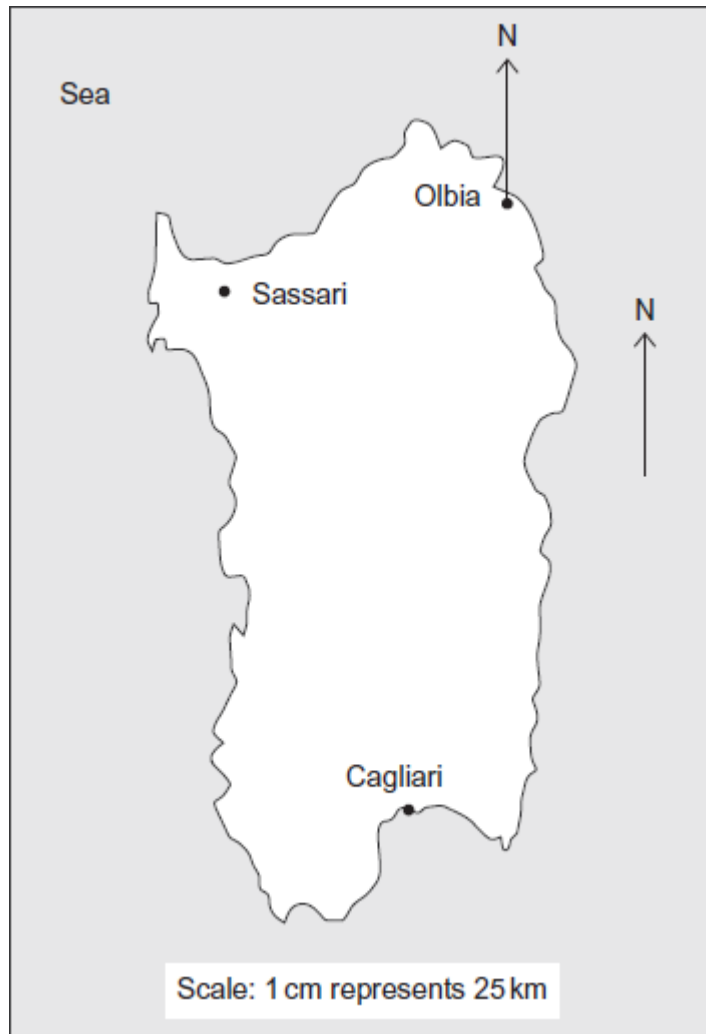
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Answer ..... km

**(Total 2 marks)**

**Q2.** Here is a map of Sardinia.



- (a) Work out the **actual** distance between Cagliari and Sassari.

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Answer ..... km

(3)

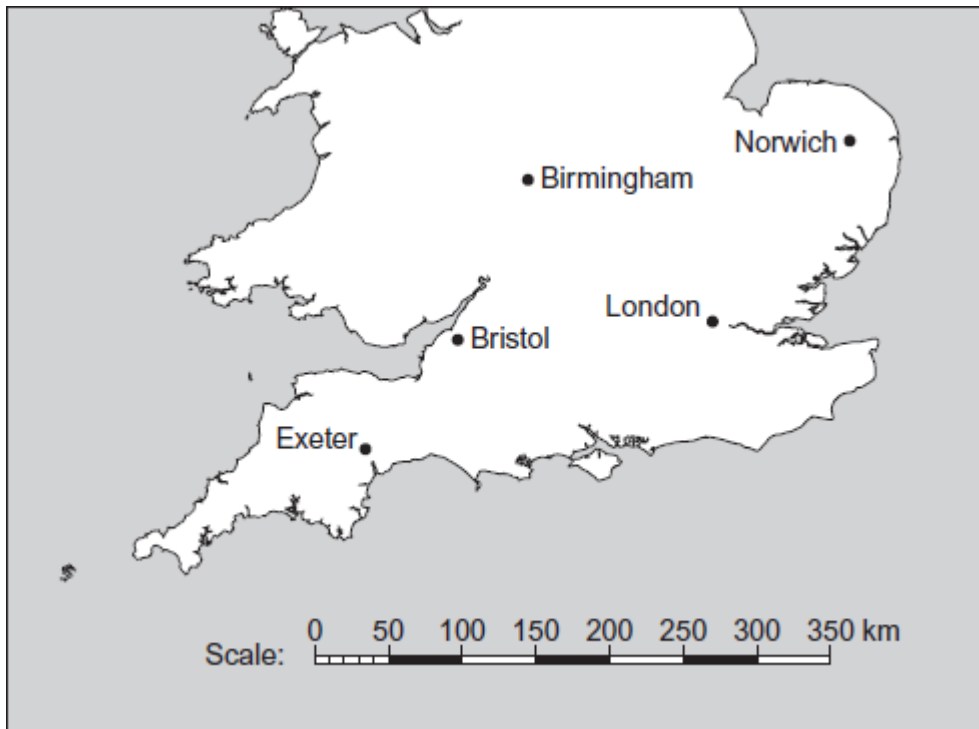
- (b) Mario's favourite beach is on a bearing of  $165^\circ$  from Olbia.

Draw this bearing and mark with a cross the position of the beach.

(2)

(Total 5 marks)

Q3.



Work out the straight line distance between Exeter and Norwich.  
Give your answer in kilometres.

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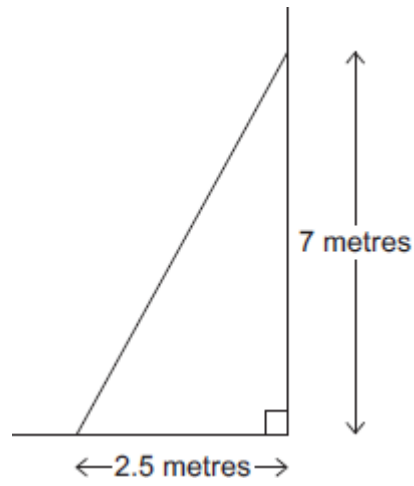
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Answer ..... km

**(Total 3 marks)**

Q4.(a) The diagram shows a sketch of a ladder on horizontal ground against a vertical wall.

Not drawn accurately



Make an accurate scale drawing.  
The horizontal ground has been drawn for you.  
Use a scale of 1 cm to represent 1 metre.



(b) Use your drawing to work out the actual length of the ladder.

Answer ..... metres

(1)  
(Total 3 marks)

**Q5.(a)** The scale on a map is 1 : 20 000

What is the actual distance represented by 1 centimetre?  
Give your answer in metres.

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Answer ..... m

(2)

(b) The scale on a different map is 1 inch represents 4 miles.  
A road on the map measures 6 inches to the nearest inch.

What is the shortest possible distance of the road?

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Answer ..... miles

(3)  
(Total 5 marks)

**Q6.(a)** The scale on a map is 1 : 250 000

What is the actual distance represented by 1 centimetre?  
Give your answer in kilometres.

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Answer ..... km

(3)

- (b) The scale on a different map is 1 inch represents 4 miles.  
A road on the map measures 6 inches to the nearest inch.

What is the shortest possible distance of the road?

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Answer ..... miles

(3)

(Total 6 marks)

**Q7.**The scale on a map is 1 : 500 000

Two towns are 8 cm apart on the map.

Work out the actual distance between the towns.  
Give your answer in kilometres.

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Answer ..... km

(Total 3 marks)