



GCSE Foundation/Higher 18

Shape, space and measure



Questions



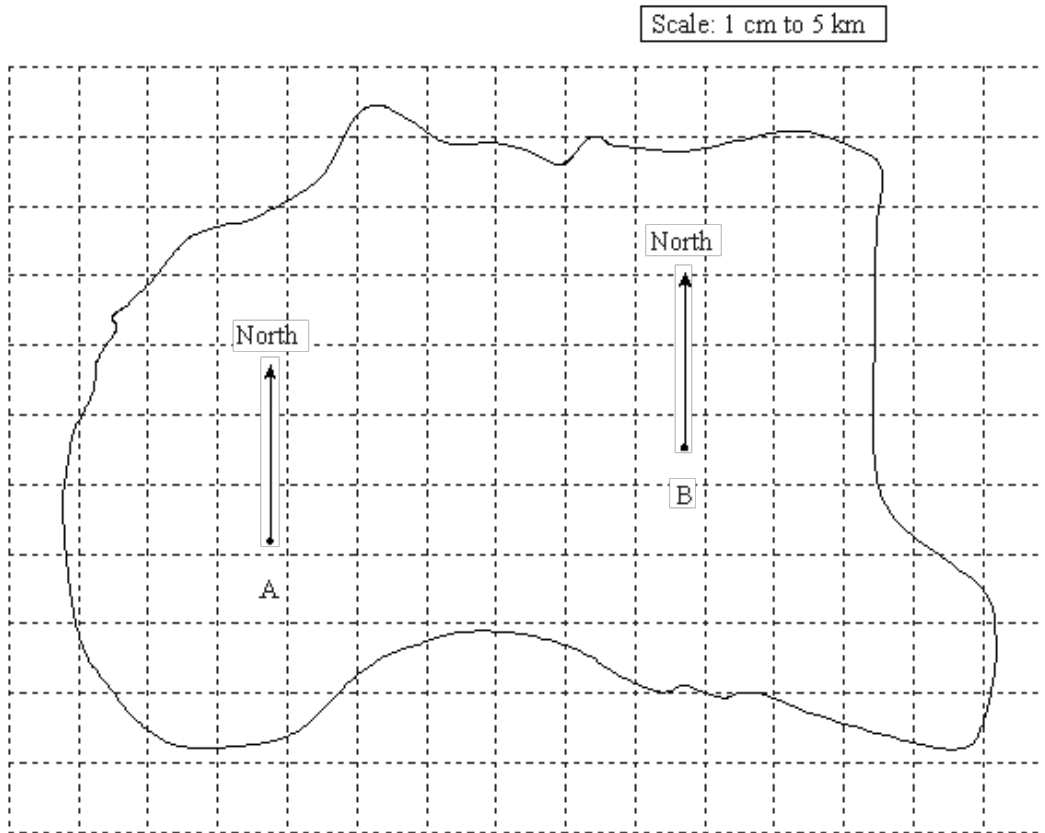
35 minutes



29 marks

Measures

Q1. The diagram shows an island with North lines drawn at points A and B.



- (a) Treasure is buried on a bearing of 037° from A and 290° from B.
Mark, with a x, the position of the treasure.

(3)

- (b) Find the real distance between the points A and B.

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Answer km

(3)

(Total 6 marks)

Q2. (a) Change a speed of 72 kilometres per hour into miles per hour.

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Answer miles per hour

(2)

- (b) A car travels 200 kilometres in 3 hours 30 minutes.
Calculate its average speed in kilometres per hour.
Give your answer to an appropriate degree of accuracy.

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Answer kilometres per hour

(4)
(Total 6 marks)

- Q3.** The weight of a 2p coin is 7g.
Find the weight of £10 worth of 2p coins.
Give your answer in kilograms.

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Answer kilograms

(Total 4 marks)

- Q4.** Susan completes a journey in two stages.
In stage 1 of her journey, she drives at an average speed of 80 km/h and takes 1 hour 45 minutes.

- (a) How far does Susan travel in stage 1 of her journey?

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Answer km

(2)

- (b) Altogether, Susan drives 190 km and takes a total time of 2 hours 15 minutes. What is her average speed, in km/h, in **stage 2** of her journey?

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Answer km/h

(2)
(Total 4 marks)

Q5. A single room in a hotel in France costs 385 euros for one week.

- (a) The cost of a single room increases by 12% when breakfast is included.

How many euros will it cost for a single room for one week when breakfast is included?

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Answer euros

(3)

- (b) Sunil drives 164 kilometres to the hotel.

His journey takes $2\frac{1}{2}$ hours.

Work out his average speed.

Give your answer in kilometres per hour.

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Answer kilometres per hour

(2)
(Total 5 marks)

Q6. Harry drives 182 miles.
His average speed is 35 miles per hour.

How long does the journey take?
Give your answer in hours and minutes.

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Answer hours minutes

(Total 4 marks)

