GCSE Exam Questions

Scale Drawing | Ratio & Proportion

GCSE Exam Questions: Scale Drawing

1) A model lorry has a length of $6cm$.

The scale of the model is 1:200.

Work out the real length of the lorry.

Write your answer in metres.

_____ m

(3 marks)

2) A map has the scale of 1:50000.

The distance between two points on the map is $20cm$.

Work out the real distance between the two points.

Give your answer in kilometres.

_____ km

(3 marks)

GCSE Exam Questions: Scale Drawing

3) **(a)** A map has a scale of $5cm$ represents $2km$.

Write this scale as a ratio in its simplest form 1:n.

- -

(2)

(b) What is the actual length of a road measuring $8.5cm$ on the map?

- km

(2)

(4 marks)

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GCSE Exam Questions: Scale Drawing Answers

	Question	Answer	Marks
1)	A model lorry has a length of 6*cm*. The scale of the model is 1:200. Work out the real length of the lorry. Write your answer in metres.	6×200 $1200cm$ $12m$	**(1)** **(1)** **(1)**
2)	A map has the scale of 1:50000 The distance between two points on the map is 20*cm*. Work out the real distance between the two points. Give your answer in kilometres.	50000×20 $1000000 \div 100 \div 1000$ $10km$	**(1)** **(1)** **(1)**
3) (a)	A map has a scale of 5*cm* represents 2*km*. Write this scale as a ratio in its simplest form 1:*n*.	**(a)** 5 : 200 000 1 : 40 000	**(1)** **(1)**
(b)	What is the actual length of a road measuring 8.5*cm* on the map?	**(b)** $8.5 \times 40\ 000$ $3.4km$	**(1)** **(1)**

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