

Name: _____

GCSE (1 – 9)

Scale Drawings

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

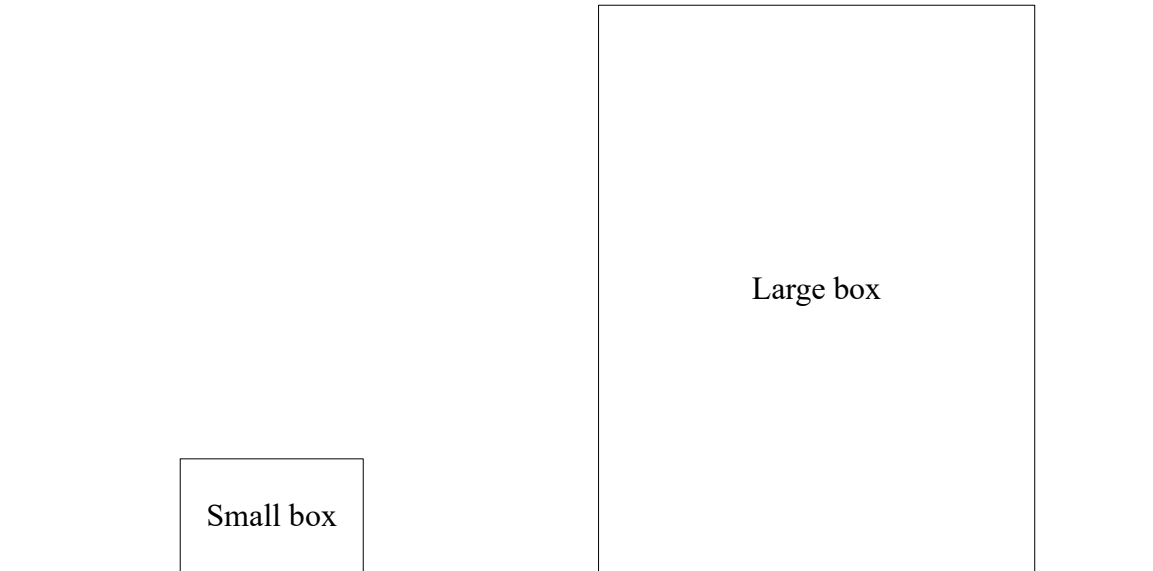
Information

- The marks for each question are shown in brackets – *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

1 The accurate scale drawing shows a small box and a large box



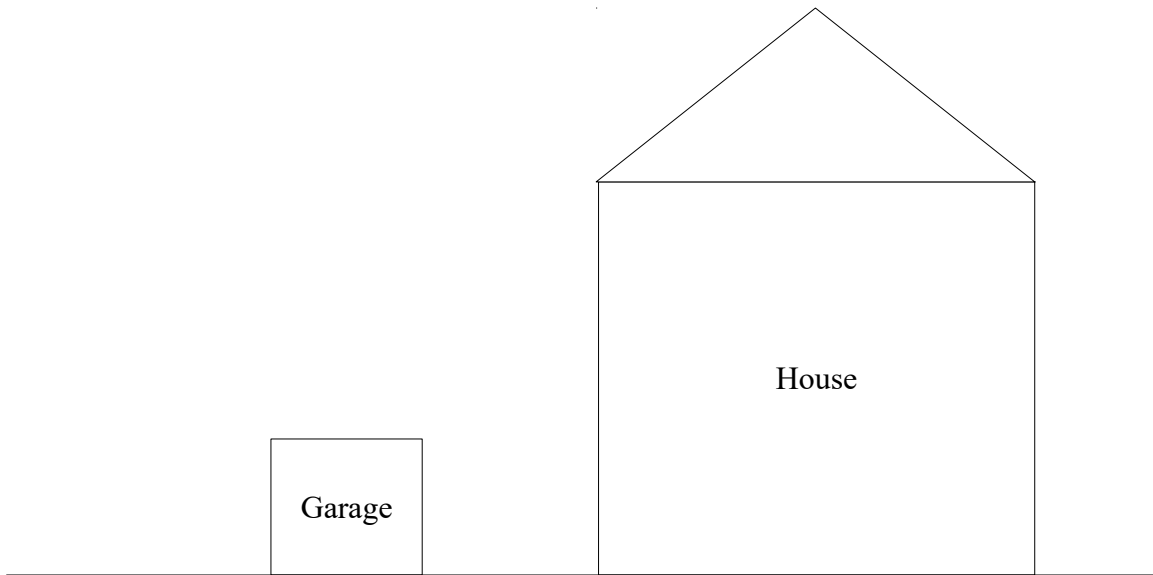
The small box has a real height of 20 centimetres.

Find an estimate for the real height of the large box.

.....

(Total for question 1 is 2 marks)

2 The accurate scale drawing shows a garage and a house.



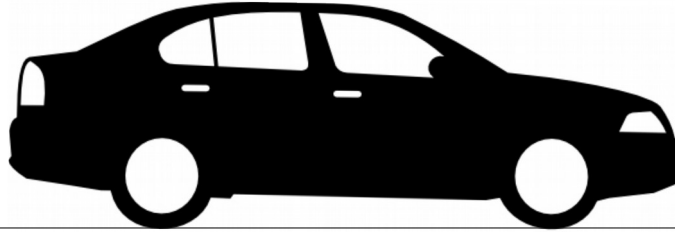
The garage has a real height of 2.4 metres.

Find an estimate for the real height, in metres, of the house.

..... metres

(Total for question 2 is 2 marks)

3 The accurate scale drawing shows a car.



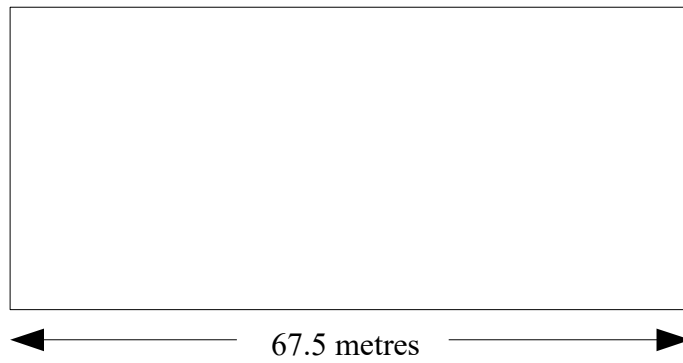
The car has a real height of 1.5 metres.

Find an estimate for the real length, in metres, for the car.

..... metres

(Total for question 3 is 2 marks)

4 The accurate scale drawing shows a field.



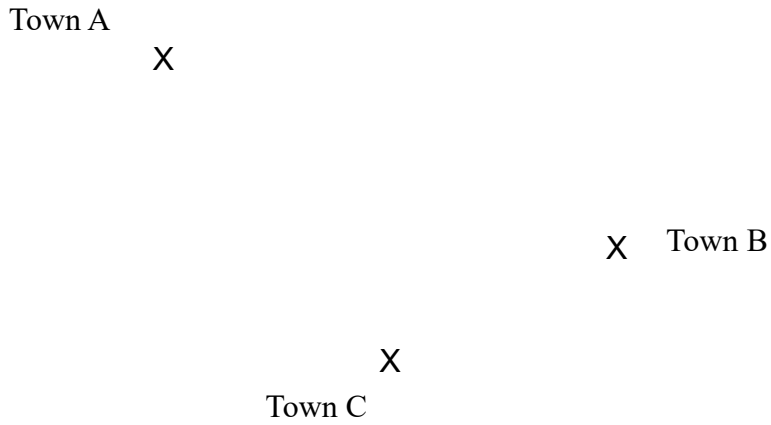
The field has a real length of 67.5 metres

Find an estimate for the real perimeter of the field.

..... m

(Total for question 4 is 3 marks)

5 The accurate scale drawing shows three towns, Town A, Town B and Town C.



The scale is 1:50000

a) Find the real distance between Town A and Town B, in kilometres.

..... km
(3)

b) Find the real distance between Town A and Town C, in kilometres.

..... km
(3)

(Total for question 5 is 6 marks)

6 A model car has the length of 8cm.

The scale of the model is 1:50

Work out the length of the real car.

Give your answer in metres.

.....m

(Total for question 6 is 2 marks)

7 A map has the scale of 1:50000

The distance between two points on the map is 10 cm.

Work out the real distance between the two points. Give your answer in kilometres.

.....km

(Total for question 7 is 3 marks)

8 A model plane has the length of 20cm.

The scale of the model is 1:380

Work out the length of the real plane.

Give your answer in metres.

.....m

(Total for question 8 is 2 marks)

9 A map has the scale of 1:75000

The distance between two points on the map is 12 cm.

Work out the real distance between the two points. Give your answer in kilometres.

.....km

(Total for question 9 is 3 marks)