



Scale Drawing Exam Practice

Q1. On a scale map, the villages of Aberton and Benton are 5.5 cm apart. The scale on the map is 1 cm = 2 km. Work out how far the villages are apart in real life.

Answer: _____
(2 marks)

Q2. On a floor plan of a church, which is drawn to scale, the length of main hall is 6.5 inches. The scale on the plan is 2 inches = 8 metres. Work out the actual length of the hall.

Answer: _____
(2 marks)



Q3. On a town plan, the theatre is 4 cm away from the bus station.
If the plan is drawn to scale, and the scale is 1 : 3000, work out the actual distance between the theatre and the bus station.

Answer: _____
(2 marks)

Q4. On a town plan, the theatre is 4 cm away from the bus station.
If the plan is drawn to scale, and the scale is 1 : 3000, work out the actual distance between the theatre and the bus station.

Answer: _____
(2 marks)



Q5. The towns of Blanton and Ryling are 33 miles apart. They are shown on a scale map which uses the scale, 1 cm = 6 miles. Work out how far they are apart on the map.

Answer: _____
(2 marks)

Q6. Marston and Melville are 80 km apart. They are shown on a scale map which uses the scale, 1 : 400,000. Work out how far they are apart on the map.

Answer: _____
(3 marks)



Q7. In a club-house, the length of the main room is 8 feet 9 inches.
A floor plan of the building uses the scale, 1 : 70.
work out how long the building is drawn on the floor plan.

Answer: _____
(2 marks)

Q8. On a scale drawing of a new model of car, the scale used is 4 : 150.
If the length of the car on the drawing is 11 cm, work out the length
of the actual car. Give your answer in metres, correct to 2 decimal places.

Answer: _____
(2 marks)



Problem Questions:

Q9. Here is a scale drawing of a pick-up truck.

- a) Estimate the length of the truck in real life, giving your answer in metres, correct to 1 decimal place.



Scale
1 cm : 1.5 m

Answer: _____
(2 marks)

- b) Bill wishes to park the truck inside his garage whose ceiling is 1 metre 90 cm high. Will this be possible? You must explain your answer.

Answer: _____
(2 marks)

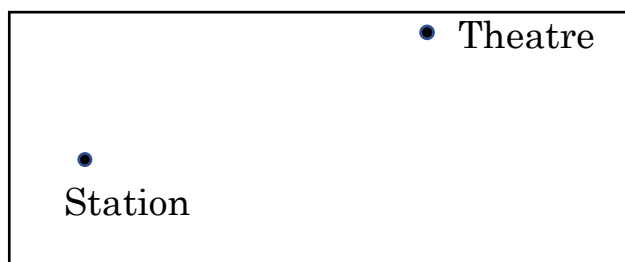


Q10. A rectangular field is drawn on a local plan of the area. The length measures 12 cm and the width is 5 cm. The scale used is 1 : 500. Work out the actual area of the field, giving your answer in sensible units.

Answer: _____
(4 marks)



Q11. The map below uses the scale $8 \text{ cm} = 1 \text{ km}$.



(a) Write this scale as a ratio in its simplest form.

Answer: _____
(2 marks)

(b) Estimate the distance between the station and the theatre in metres.

Answer: _____
(2 marks)



Q12. A map uses the scale $1 \text{ cm} = 60 \text{ metres}$. Circle the ratio which is equivalent to this:

$1 : 60$ $1 : 600$ $1 : 6000$ $1 : 60000$ $1 : 600000$ $1 : 600000$

Answer: _____
(2 marks)

Q13. Here is a scale drawing of adult human standing next to an ornamental tower in a garden.

a) Estimate the height of the tower in metres.



Answer: _____
(2 marks)

b) Add a suitable scale to the map in the form $1 : n$ where n is a number.

Answer: _____
(2 marks)