

Scale Drawings

Fractions, Decimals & % · Grade 7

Score: _____ / 10

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. A map has a scale of 1 cm : 10 km. Two towns are 4 cm apart on the map. What is the real distance?

Answer: _____

2. A blueprint uses a scale of 1 in : 6 ft. A room is 3 in long on the blueprint. How long is the real room?

Answer: _____

3. A drawing has a scale of 1 cm : 5 m. A wall is 35 m long. How long is it on the drawing?

Answer: _____

4. Scale 1 : 100. A model car is 4.5 cm long. How long is the real car?

Answer: _____

5. A map scale is 1 cm : 25 km. Two cities are 200 km apart. How far apart are they on the map?

Answer: _____

6. A scale drawing shows a garden $6\text{ cm} \times 4\text{ cm}$. The scale is $1\text{ cm} : 3\text{ m}$. What are the real dimensions?

Answer: _____

7. A model ship is built at scale $1 : 50$. The real ship is 150 m long. How long is the model?

Answer: _____

8. Scale $1\text{ in} : 8\text{ ft}$. A hallway measures 2.5 in on the plan. How long is the real hallway?

Answer: _____

9. A town map uses a scale of 2 cm : 1 km. Two schools are 3 km apart. How far apart are they on the map?

Answer: _____

10. A blueprint scale is 1 : 200. A corridor is 5 cm on the plan. What is the real length?

Answer: _____

Answer Key

Scale Drawings — Easy

1. **40 km**

$$4 \text{ cm} \times 10 \text{ km/cm} = 40 \text{ km.}$$

2. **18 ft**

$$3 \times 6 = 18 \text{ ft.}$$

3. **7 cm**

$$35 \div 5 = 7 \text{ cm.}$$

4. **450 cm (4.5 m)**

$$4.5 \times 100 = 450 \text{ cm.}$$

5. **8 cm**

$$200 \div 25 = 8 \text{ cm.}$$

6. **18 m × 12 m**

$$6 \times 3 = 18 \text{ m; } 4 \times 3 = 12 \text{ m.}$$

7. **3 m**

$$150 \div 50 = 3 \text{ m.}$$

8. **20 ft**

$$2.5 \times 8 = 20 \text{ ft.}$$

9. **6 cm**

$$3 \times 2 = 6 \text{ cm.}$$

10. **1,000 cm = 10 m**

$$5 \times 200 = 1,000 \text{ cm} = 10 \text{ m.}$$