

Basic Geometry

Geometry · Grade 4

◆ Medium · 10 Questions

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

1. A rectangle has area 36 cm^2 and width 4 cm.
Find its length.

Answer: _____

2. A square has area 64 m^2 . What is the side length?

Answer: _____

3. A rectangle has area 48 cm^2 and length 8 cm .
Find its width and perimeter.

Answer: _____

4. A rectangle is twice as long as it is wide.
Its area is 72 cm^2 . Find its dimensions.

Answer: _____

5. A rectangle has area 56 m^2 and width 7 m .
Find the length.

Answer: _____

6. A rectangle has area 90 cm^2 and length 15 cm .
Find the width.

Answer: _____

7. Find the area of a $22 \text{ cm} \times 8 \text{ cm}$ rectangle.

Answer: _____

8. A square has area 121 cm^2 . Find the side length.

Answer: _____

9. A rectangle is 14 ft by 9 ft. What is its area?

Answer: _____

10. Find the area of a 25 m $\times$ 17 m rectangle.

Answer: _____

Answer Key

Basic Geometry — Medium

1. **9 cm**

$$\text{Length} = \text{Area} \div \text{width} = 36 \div 4 = 9 \text{ cm.}$$

2. **8 m**

$$\text{Side} = \sqrt{64} = 8 \text{ m.}$$

3. **Width = 6 cm. Perimeter = 28 cm.**

$$\text{Width} = 48 \div 8 = 6. \text{ Perimeter} = 2 \times (8 + 6) = 28 \text{ cm.}$$

4. **Width = 6 cm, Length = 12 cm**

$$w \times 2w = 2w^2 = 72. w^2 = 36. w = 6. \text{ Length} = 12 \text{ cm.}$$

5. **8 m**

$$\text{Length} = 56 \div 7 = 8 \text{ m.}$$

6. **6 cm**

$$\text{Width} = 90 \div 15 = 6 \text{ cm.}$$

7. **176 cm²**

$$22 \times 8 = 176 \text{ cm}^2.$$

8. **11 cm**

$$\sqrt{121} = 11 \text{ cm.}$$

9. **126 ft²**

$$14 \times 9 = 126 \text{ ft}^2.$$

10. **425 m²**

$$25 \times 17 = 425 \text{ m}^2.$$