



## **Area of Rectangles**

### **FREE Worksheet - 1**

**Time: 15 minutes**

(Detailed solutions at the end)

---

1. The area of a rectangle is  $80 \text{ cm}^2$  and breadth is 8 cm. Find its length.

Answer: length = \_\_\_\_ cm

2. The area of a rectangle is  $30 \text{ cm}^2$  and length is 10 cm. Find its breadth.

Answer: breadth = \_\_\_\_ cm

3. The area of a rectangle is  $28 \text{ cm}^2$  and breadth is 4 cm. Find its length.

Answer: length = \_\_\_\_ cm

4. The area of a rectangle is  $63 \text{ cm}^2$  and length is 9 cm. Find its breadth.

Answer: breadth = \_\_\_\_ cm

5. The length of a rectangle is 5 cm and its breadth is 8 cm. Find its area.

Answer: area = \_\_\_\_  $\text{cm}^2$

---



## SOLUTIONS

### Problem 1

$$\text{Area} = \text{Length} \times \text{Breadth}$$

$$\text{Length} = \text{Area} \div \text{Breadth}$$

$$\text{Given area} = 80 \text{ cm}^2 \text{ and breadth} = 8 \text{ cm}$$

$$\text{Therefore, length} = 80 \div 8 = \mathbf{10 \text{ cm}}$$

### Problem 2

$$\text{Area} = \text{Length} \times \text{Breadth}$$

$$\text{Breadth} = \text{Area} \div \text{Length}$$

$$\text{Given area} = 30 \text{ cm}^2 \text{ and length} = 10 \text{ cm}$$

$$\text{Therefore, breadth} = 30 \div 10 = \mathbf{3 \text{ cm}}$$

### Problem 3

$$\text{Area} = \text{Length} \times \text{Breadth}$$

$$\text{Length} = \text{Area} \div \text{Breadth}$$

$$\text{Given area} = 28 \text{ cm}^2 \text{ and breadth} = 4 \text{ cm}$$



Therefore, length =  $28 \div 4 = 7 \text{ cm}$

**Problem 4**

Area = Length  $\times$  Breadth

Breadth = Area  $\div$  Length

Given area =  $63 \text{ cm}^2$  and length = 9 cm

Therefore, breadth =  $63 \div 9 = 7 \text{ cm}$

**Problem 5**

Area = Length  $\times$  Breadth

Given, length = 5 cm and breadth = 8 cm

Therefore, area =  $5 \text{ cm} \times 8 \text{ cm} = 40 \text{ cm}^2$