



## Area of Rectangles

### FREE Worksheet - 3

**Time: 15 minutes**

(Detailed solutions at the end)

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1. The area of a rectangle is  $36 \text{ cm}^2$  and breadth is 6 cm. Find its length.

- a. 4 cm
- b. 6 cm
- c. 5 cm
- d. 7 cm

Answer: \_\_\_\_\_

2. The area of a rectangle is  $72 \text{ cm}^2$  and length is 8 cm. Find its breadth.

- a. 5 cm
- b. 6 cm
- c. 9 cm
- d. 7 cm

Answer: \_\_\_\_\_

3. The area of a rectangle is  $120 \text{ cm}^2$  and breadth is 12 cm. Find its length.

- a. 8 cm
- b. 12 cm
- c. 9 cm
- d. 10 cm

Answer: \_\_\_\_\_

4. The area of a rectangle is  $108 \text{ cm}^2$  and length is 9 cm. Find its breadth.

- a. 12 cm
- b. 6 cm
- c. 9 cm
- d. 7 cm

Answer: \_\_\_\_\_

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5. The length of a rectangle is 12 cm and its breadth is 7 cm. Find its area.

- a.  $19 \text{ cm}^2$
- b.  $80 \text{ cm}^2$
- c.  $84 \text{ cm}^2$
- d.  $48 \text{ cm}^2$

Answer: \_\_\_\_\_



## SOLUTIONS

### Problem 1

**Answer: b**

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

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

$$\text{Given area} = 36 \text{ cm}^2 \text{ and breadth} = 6 \text{ cm}$$

$$\text{Therefore, length} = 36 \div 6 = \mathbf{6 \text{ cm}}$$

### Problem 2

**Answer: c**

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

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

$$\text{Given area} = 72 \text{ cm}^2 \text{ and length} = 8 \text{ cm}$$

$$\text{Therefore, breadth} = 72 \div 8 = \mathbf{9 \text{ cm}}$$

### Problem 3

**Answer: d**

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



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

$$\text{Given area} = 120 \text{ cm}^2 \text{ and breadth} = 12 \text{ cm}$$

$$\text{Therefore, length} = 120 \div 12 = \mathbf{10 \text{ cm}}$$

**Problem 4**

***Answer: a***

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

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

$$\text{Given area} = 108 \text{ cm}^2 \text{ and length} = 9 \text{ cm}$$

$$\text{Therefore, breadth} = 108 \div 9 = \mathbf{12 \text{ cm}}$$

**Problem 5**

***Answer: c***

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

$$\text{Given, length} = 12 \text{ cm and breadth} = 7 \text{ cm}$$

$$\text{Therefore, area} = 12 \text{ cm} \times 7 \text{ cm} = \mathbf{84 \text{ cm}^2}$$