



## Area of Rectangles

### FREE Worksheet - 5

**Time: 15 minutes**

(Detailed solutions at the end)

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

- |                      |                      |
|----------------------|----------------------|
| a. $60 \text{ cm}^2$ | b. $66 \text{ cm}^2$ |
| c. $84 \text{ cm}^2$ | d. $48 \text{ cm}^2$ |

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

2. The area of a rectangle is  $180 \text{ cm}^2$  and length is 15 cm. Find its breadth.

- |          |          |
|----------|----------|
| a. 15 cm | b. 11 cm |
| c. 12 cm | d. 17 cm |

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

3. The area of a rectangle is  $221 \text{ cm}^2$  and breadth is 13 cm. Find its length.

- |          |          |
|----------|----------|
| a. 17 cm | b. 12 cm |
| c. 19 cm | d. 15 cm |

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

4. The area of a rectangle is  $84 \text{ cm}^2$  and length is 6 cm. Find its breadth.

- |          |          |
|----------|----------|
| a. 16 cm | b. 13 cm |
| c. 12 cm | d. 14 cm |

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

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5. The length of a rectangle is 12 cm and its breadth is 9 cm. Find its area.

- b.  $120 \text{ cm}^2$
- c.  $112 \text{ cm}^2$

- b.  $108 \text{ cm}^2$
- d.  $21 \text{ cm}^2$

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



## SOLUTIONS

### Problem 1

**Answer: c**

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

Given, length = 12 cm and breadth = 7 cm

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

### Problem 2

**Answer: c**

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

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

Given area = 180 cm<sup>2</sup> and length = 15 cm

$$\text{Therefore, breadth} = 180 \div 15 = \mathbf{12 \text{ cm}}$$

### Problem 3

**Answer: a**

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

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



Given area =  $221 \text{ cm}^2$  and breadth = 13 cm

Therefore, length =  $221 \div 13 = \mathbf{17 \text{ cm}}$

**Problem 4**

***Answer: d***

Area = Length  $\times$  Breadth

Breadth = Area  $\div$  Length

Given area =  $84 \text{ cm}^2$  and length = 6 cm

Therefore, breadth =  $84 \div 6 = \mathbf{14 \text{ cm}}$

**Problem 5**

***Answer: b***

Area = Length  $\times$  Breadth

Given, length = 12 cm and breadth = 9 cm

Therefore, area =  $12 \text{ cm} \times 9 \text{ cm} = \mathbf{108 \text{ cm}^2}$