



## Perimeter of Rectangles

**FREE Worksheet - 3**

**Time: 15 minutes**

(Detailed solutions at the end)

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1. The perimeter of a rectangle is 100 cm and breadth is 17 cm. Find its length.
- 30 cm
  - 35 cm
  - 33 cm
  - 34 cm

2. Find the length of a rectangle whose perimeter is 52 cm and breadth is 6 cm.
- 21 cm
  - 19 cm
  - 23 cm
  - 20 cm

3. The perimeter of a rectangle is 114 cm and length is 31 cm. Find its breadth.

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

4. The perimeter of a square is 64 cm. Find the length of a side.
- 15 cm
  - 18 cm
  - 17 cm
  - 16 cm

5. What is the length of a side of a square whose perimeter is 32 cm?
- 6 cm
  - 7 cm
  - 8 cm
  - 10 cm

6. The perimeter of a rectangle is 88 cm and length is 30 cm. Find its breadth.

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



## SOLUTIONS

### Problem 1

Perimeter of rectangle = length + breadth + length + breadth

Perimeter  $\div$  2 = length + breadth

Given,

Perimeter = 100 cm and breadth = 17 cm

Length + breadth =  $100 \div 2$

Length + breadth = 50

Therefore,

Length =  $50 - 17$  cm = **33 cm**      **(Answer: c)**

### Problem 2

Perimeter of rectangle = length + breadth + length + breadth

Perimeter  $\div$  2 = length + breadth

Given,

Perimeter = 52 cm and breadth = 6 cm

Length + breadth =  $52 \div 2$

Length + breadth = 26

Therefore,

Length =  $26 - 6$  cm = **20 cm**      **(Answer: d)**



**Problem 3**

Perimeter of rectangle = length + breadth + length + breadth

Perimeter  $\div$  2 = length + breadth

Given,

Perimeter = 114 cm and length = 31 cm

Length + breadth =  $114 \div 2$

Length + breadth = 57

Therefore,

Breadth =  $57 - 31$  cm = **26 cm**

**Problem 4**

Perimeter of a square =  $4 \times$  length

Therefore,

Length = Perimeter  $\div$  4

Length =  $64 \div 4$  = **16 cm**

**Problem 5**

Perimeter of a square =  $4 \times$  length

Therefore,

Length = Perimeter  $\div$  4

Length =  $32 \div 4$  = **8 cm**      **(Answer: c)**



**Problem 6**

Perimeter of rectangle = length + breadth + length + breadth

Perimeter  $\div$  2 = length + breadth

Given,

Perimeter = 88 cm and length = 30 cm

Length + breadth =  $88 \div 2$

Length + breadth = 44

Therefore,

Breadth =  $44 - 30$  cm = **14 cm**