Perimeter of Rectangles and Squares

FREE Worksheet - 4

Time: 15 minutes

(Detailed solutions at the end)

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1. The length of a rectangle is 28 cm and its breadth is 12 cm. Find its perimeter.

   Answer: _____cm

2. The perimeter of a rectangle is 60 cm and breadth is 4 cm. Find its length.
   a. 56 cm
   b. 26 cm
   c. 64 cm
   d. 8 cm

3. The perimeter of a square is 108 cm. Find the length of a side.
   a. 27 cm
   b. 104 cm
   c. 54 cm
   d. 100 cm

4. Find the breadth of a rectangle whose perimeter is 68 cm and length is 25 cm.

   Answer: _____cm

5. The perimeter of a square is 64 cm. Find the length of a side.

   Answer: _____cm

6. What is the perimeter of a square of side 12 cm?
   a. 3 cm
   b. 6 cm
   c. 48 cm
   d. 144 cm

SOLUTIONS

Problem 1

Perimeter of rectangle = length + breadth + length + breadth

Given,

Length = 28 cm and breadth = 12 cm

Therefore,

Perimeter = 28 + 12 + 28 + 12 = **80 cm**

Problem 2

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 60 cm and breadth = 4 cm

Length + breadth = 60 ÷ 2

Length + breadth = 30

Therefore,

Length = 30 − 4 cm = **26 cm (Answer: b)**

Problem 3

Perimeter of a square = 4 × length

Therefore,

Length = Perimeter ÷ 4

Length = 108 ÷ 4 = **27 cm (Answer: a)**

Problem 4

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 68 cm and length = 25 cm

Length + breadth = 68 ÷ 2

Length + breadth = 34

Therefore,

Breadth = 34 − 25 cm = **9 cm**

Problem 5

Perimeter of a square = 4 × length

Therefore,

Length = Perimeter ÷ 4

Length = 64 ÷ 4 = **16 cm**

Problem 6

Perimeter of a square = 4 × side

Perimeter = 4 × 12 = **48 cm (Answer: c)**