Perimeter of Rectangles and Squares

FREE Worksheet - 5

Time: 15 minutes

(Detailed solutions at the end)

1. The side of a square measures 8 cm. What is its perimeter?
   a. 2 cm
   b. 4 cm
   c. 32 cm
   d. 64 cm

2. The perimeter of a square is 20 cm. Find the length of a side.

   Answer: _____cm

3. The perimeter of a rectangle is 36 cm and its length is 15 cm. Calculate its breadth.
   a. 42 cm
   b. 21 cm
   c. 3 cm
   d. 102 cm

4. Find the length of a rectangle whose perimeter is 112 cm and breadth is 22 cm.

   Answer: _____cm

5. The breadth of a rectangle is 6 cm. What is the perimeter of the rectangle if its length is twice its breadth?
   a. 12 cm
   b. 36 cm
   c. 24 cm
   d. 18 cm

6. Calculate the perimeter of a rectangular plot of land whose one side measures 12 m and other side measures 25 m.
   a. 37 m
   b. 13 m
   c. 26 m
   d. 74 m

SOLUTIONS

Problem 1

Perimeter of a square = 4 × length

Given,

Length = 8 cm

Therefore,

Perimeter = 4 × 8 = **32 cm (Answer: c)**

Problem 2

Perimeter of a square = 4 × length

Therefore,

Length = Perimeter ÷ 4

Length = 20 ÷ 4 = **5 cm**

Problem 3

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 36 cm and length = 15 cm

Length + breadth = 36 ÷ 2

Length + breadth = 18

Therefore,

Breadth = 18 − 15 cm = **3 cm   (Answer: c)**

Problem 4

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 112 cm and breadth = 22 cm

Length + breadth = 112 ÷ 2

Length + breadth = 56

Therefore,

Length = 56 − 22 cm = **34 cm**

Problem 5

Perimeter of rectangle = length + breadth + length + breadth

Given,

Breadth = 6 cm

Length = 2 × breadth = 12 cm

Therefore,

Perimeter = 12 + 6 + 12 + 6 = **36 cm (Answer: b)**

Problem 6

Perimeter of rectangle = length + breadth + length + breadth

Given,

Length = 25 m and breadth = 12 m

Therefore,

Perimeter = 25 + 12 + 25 + 12 = **74 m (Answer: d)**