Perimeter of Rectangles and Squares
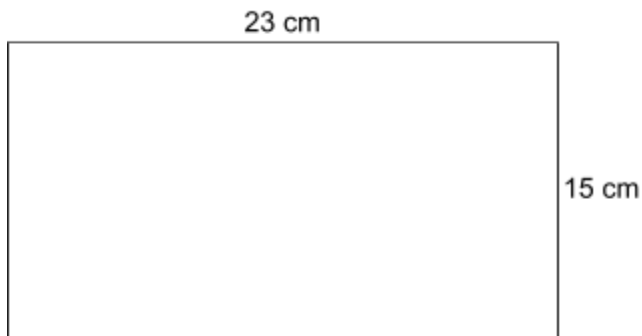
FREE Worksheet - 1

Time: 15 minutes

(Detailed solutions at the end)

---

1. The perimeter of a rectangle is 92 cm and its length is 26 cm. What is its breadth?
    a. 66 cm
    b. 20 cm
    c. 33 cm
    d. 40 cm

2. Find the perimeter of the rectangle in the image below.

Answer: _____cm

3. The perimeter of a rectangle is 50 cm and its breadth is 8 cm. Find its length.

Answer: _____cm

4. Calculate the length of a rectangular wall whose perimeter is 40 m and height is 3 m.
    a. 34 m
    b. 43 m
    c. 37 m
    d. 17 m

5. The perimeter of a square is 76 cm. What is its length?

Answer: _____cm

6. Grace uses 58 cm of a string to form a rectangle. If the length of the rectangle formed is 19 cm, what is its breadth?

Answer: _____cm

SOLUTIONS

Problem 1

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 92 cm and length = 26 cm

Length + breadth = 92 ÷ 2 = 46

Therefore,

Breadth = 46 − 26 cm = **20 cm (Answer: b)**

Problem 2

Perimeter of rectangle = length + breadth + length + breadth

Given,

Length = 23 cm

Breadth = 15 cm

Therefore,

Perimeter = 23 + 15 + 23 + 15 = **76 cm**

Problem 3

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 50 cm and breadth = 8 cm

Length + breadth = 50 ÷ 2 = 25

Therefore,

Length = 25 − 8 cm = **17 cm**

Problem 4

Perimeter of rectangular wall = length + height + length + height

Perimeter ÷ 2 = length + height

Given,

Perimeter = 40 m and height = 3 m

Length + height = 40 ÷ 2 = 20

Therefore,

Length of the wall = 20 − 3 m = **17 m (Answer: d)**

Problem 5

Perimeter of a square = 4 × length

Therefore,

Length = Perimeter ÷ 4

Length = 76 ÷ 4 = **19 cm**

Problem 6

Perimeter of rectangle = length + breadth + length + breadth

Perimeter ÷ 2 = length + breadth

Given,

Perimeter = 58 cm and length = 19 cm

Length + breadth = 58 ÷ 2 = 29

Therefore,

Breadth = 29 − 19 cm = **10 cm**