



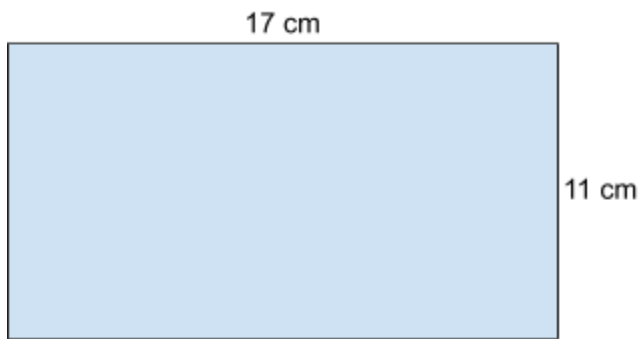
Perimeter of Rectangles and Squares

FREE Worksheet - 7

Time: 15 minutes

(Detailed solutions at the end)

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



Answer: _____ cm

2. The perimeter of a rectangle is 60 cm and its breadth is 5 cm. Find its length.

Answer: _____ cm

3. Calculate the side of a square whose perimeter is 40 cm.

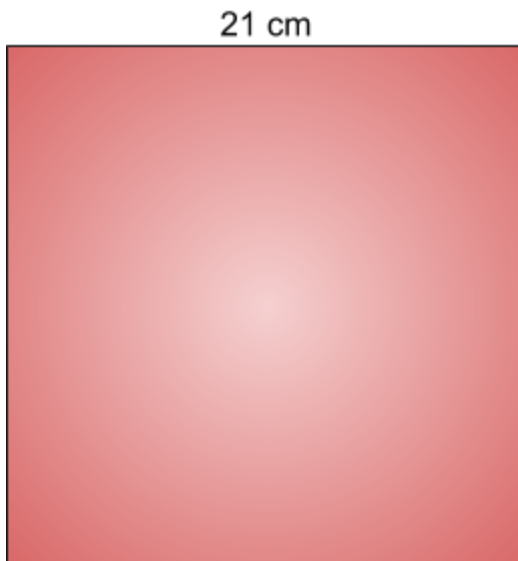
- a. 4 cm
- b. 20 cm
- c. 14 cm
- d. 10 cm

4. The perimeter of a rectangle is 38 cm and its length is 10 cm. What is its breadth?

- a. 18 cm
- b. 28 cm
- c. 9 cm
- d. 14 cm



5. Tina wants to sew lace around the edges of a rectangular scarf measuring 53 cm in length and 37 cm in breadth. What is the length of lace that Tina will need?
- a. 90 cm
 - b. 180 cm
 - c. 1961 cm
 - d. 16 cm
6. The side of a square mat measures 21 cm. What is its perimeter?



Answer: _____ cm



SOLUTIONS

Problem 1

Perimeter of rectangle = length + breadth + length + breadth

Given,

$$\text{Breadth} = 17 \text{ cm}$$

$$\text{Length} = 11 \text{ cm}$$

Therefore,

$$\text{Perimeter} = 17 + 11 + 17 + 11 = \mathbf{56 \text{ cm}}$$

Problem 2

Perimeter of rectangle = length + breadth + length + breadth

$$\text{Perimeter} \div 2 = \text{length} + \text{breadth}$$

Given,

$$\text{Perimeter} = 60 \text{ cm and breadth} = 5 \text{ cm}$$

$$\text{Length} + \text{breadth} = 60 \div 2 = 30$$

Therefore,

$$\text{Length} = 30 - 5 \text{ cm} = \mathbf{25 \text{ cm}}$$

Problem 3

Perimeter of a square = $4 \times \text{side}$

Therefore,

$$\text{Side} = \text{Perimeter} \div 4$$

$$\text{Side} = 40 \div 4 = \mathbf{10 \text{ cm (Answer: d)}}$$



Problem 4

Perimeter of rectangle = length + breadth + length + breadth

Perimeter \div 2 = length + breadth

Given,

Perimeter = 38 cm and length = 10 cm

Length + breadth = $38 \div 2 = 19$

Therefore,

Breadth = $19 - 10 \text{ cm} = \mathbf{9 \text{ cm}}$ (Answer: c)

Problem 5

Length of lace needed = Perimeter of rectangular scarf

Perimeter of scarf = length + breadth + length + breadth

Given,

Length = 53 cm

Breadth = 37 cm

Therefore,

Perimeter = $53 + 37 + 53 + 37 = \mathbf{180 \text{ cm}}$ (Answer: b)

Problem 6

Perimeter of a square = $4 \times \text{side}$

Given,

Side = 21 cm

Therefore,

Perimeter = $4 \times 21 = \mathbf{84 \text{ cm}}$