



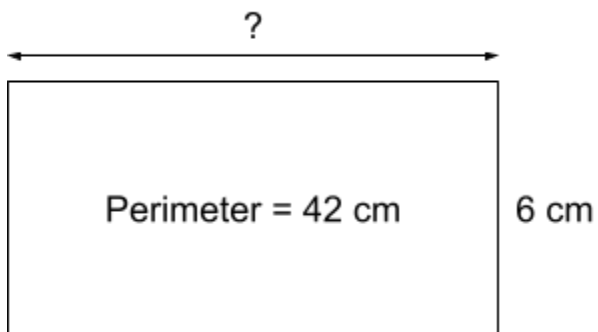
Perimeter of Rectangles

FREE Worksheet - 8

Time: 15 minutes

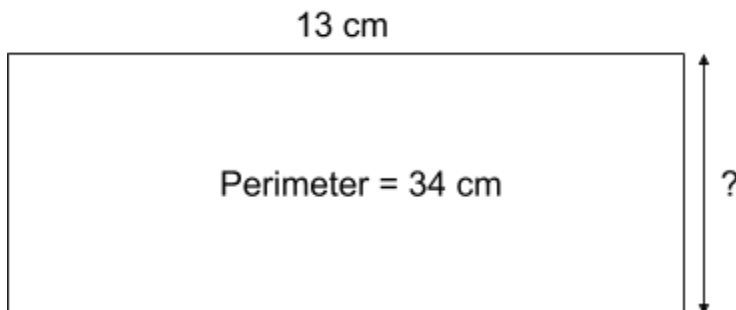
(Detailed solutions at the end)

1. Find the length of the rectangle below.



Answer: _____ cm

2. What is the breadth of the rectangle below?



Answer: _____ cm



3. What is the perimeter of a rectangle whose length is 25 cm and breadth is 20 cm?

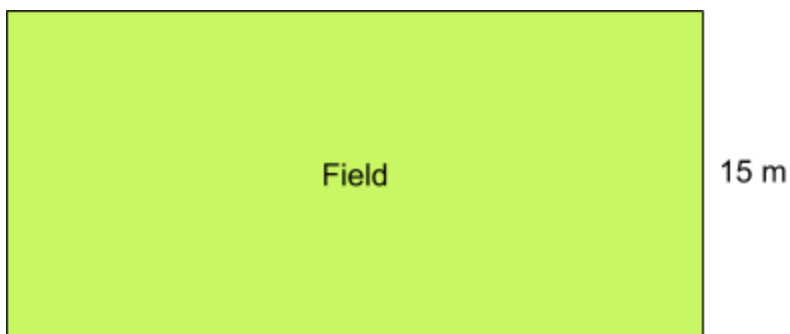
Answer: _____ cm

4. Amy used a piece of wire 80 cm long to make a rectangle as shown below. What is the length of the rectangle?



Answer: _____ cm

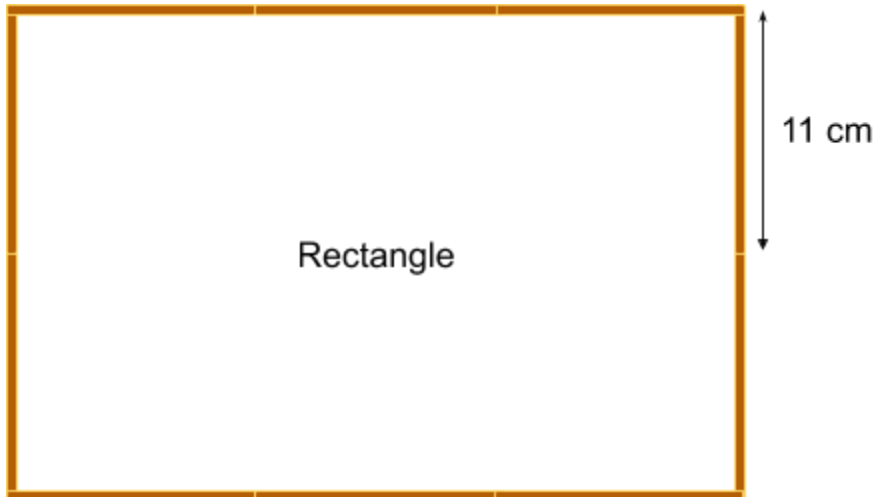
5. 130 m of fencing are used to fence up a rectangular field as shown below. What is the length of the field?



Answer: _____ m



6. Jason joins 10 identical ice-cream sticks to form a rectangle as shown below. What is the perimeter of the rectangle?



Answer: _____ cm



SOLUTIONS

Problem 1

Perimeter of rectangle = length + breadth + length + breadth

Perimeter \div 2 = length + breadth

Given,

Perimeter = 42 cm and breadth = 6 cm

Length + breadth = $42 \div 2 = 21$

Therefore,

Length = $21 - 6 \text{ cm} = \mathbf{15 \text{ cm}}$

Problem 2

Perimeter of rectangle = length + breadth + length + breadth

Perimeter \div 2 = length + breadth

Given,

Perimeter = 34 cm and length = 13 cm

Length + breadth = $34 \div 2 = 17$

Therefore,

Breadth = $17 - 13 \text{ cm} = \mathbf{4 \text{ cm}}$



Problem 3

Perimeter of rectangle = length + breadth + length + breadth

Given,

Length = 25 cm

Breadth = 20 cm

Therefore,

Perimeter = $25 + 20 + 25 + 20 = \mathbf{90 \text{ cm}}$

Problem 4

Length of wire used = Perimeter of rectangle = 80 cm

Perimeter = length + breadth + length + breadth

Perimeter $\div 2$ = length + breadth

Given,

Perimeter of rectangle = 80 cm

Breadth of rectangle = 18 cm

Length + breadth = $80 \div 2 = 40 \text{ cm}$

Therefore,

Length of rectangle = $40 - 18 \text{ cm} = \mathbf{22 \text{ cm}}$



Problem 5

Length of fencing used = Perimeter of field = 130 m

Perimeter = length + breadth + length + breadth

Perimeter \div 2 = length + breadth

Given,

Perimeter of field = 130 m

Breadth of field = 15 m

Length + breadth = $130 \div 2 = 65$ m

Therefore,

Length of field = $65 - 15$ m = **50 m**

Problem 6

Method 1

Perimeter of the rectangle = 10 sticks \times Length of 1 stick
= 10×11 cm
= **110 cm**

Method 2

Perimeter of rectangle = length + breadth + length + breadth

Given,

Breadth of the rectangle = Length of 2 ice-cream sticks
= $2 \times 11 = 22$ cm

Length of the rectangle = Length of 3 ice-cream sticks
= 3×11 cm = 33 cm

Therefore,

Perimeter of the rectangle = $33 + 22 + 33 + 22 =$ **110 cm**