

## Perimeter (Square, Rectangle) -2

Perimeter = p, Length = l, Width = w and Side = s

1. Find the perimeter of a rectangle if the length is 8.3cm and width is 1.6cm.

Perimeter of a rectangle =  $2 \times (l + w)$

$l = 8.3\text{cm}$ ,  $w = 1.6\text{cm}$

$2(8.3 + 1.6) = 19.8$

Answer = 19.8cm

2. Find the perimeter of a square if a side is 11.1cm.

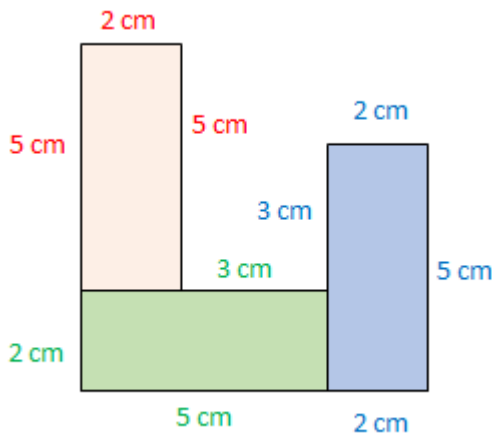
Perimeter of a square =  $s \times 4$

$s = 11.1\text{cm}$

$11.1 \times 4 = 44.4$

Answer = 44.4cm

3. Find the perimeter for the following shape if the width of each rectangle is 2 cm and the length of each rectangle is 5 cm.



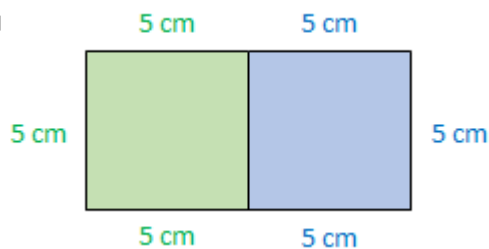
Perimeter = distance around the figure

$P = 2 + 5 + 3 + 3 + 2 + 5 + 2 + 5 + 2 + 5$

$= 34$

Answer = 34cm

4. The side of a square is 5cm. If I keep two of these squares next to each other what is the perimeter of the whole shape?



Perimeter = distance around the figure

$P = 5 + 5 + 5 + 5 + 5 + 5$

$= 30$

Answer = 30cm

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5. Find the width of a rectangle if the perimeter is 25.2cm and the width is 4.3cm.

$$\text{Length of a rectangle} = (p - (2 \times w)) / 2$$

$$P=25.2\text{cm}, w=4.3\text{cm}$$

$$l = (25.2 - (2 \times 4.3)) / 2 = 16.6 / 2$$

$$= 8.3$$

$$\text{Answer} = 8.3\text{cm}$$

6. Find the width of a rectangle if the perimeter is 17.3cm and the length is 8.1cm.

$$\text{Width of a rectangle} = (p - (2 \times l)) / 2$$

$$P=17.3\text{cm}, l=8.1\text{cm}$$

$$w = (17.3 - (2 \times 8.1)) / 2 = 1.1 / 2$$

$$= 0.55$$

$$\text{Answer} = 0.55\text{cm}$$

7. Find the side of a square if the perimeter is 276.12cm.

$$\text{Side of a square} = (p) / 4$$

$$P=276.12\text{cm}$$

$$s = 276.12 / 4 = 69.03$$

$$\text{Answer} = 69.03\text{cm}$$

8. If Raj runs around a field 3 times and the field's length is 30m and the width is 121m. How many metres does he run?

$$\text{Perimeter of a rectangle} = 2 \times (l + w)$$

$$l=30\text{m}, w=121\text{m}$$

$$2(30 + 121) = 302$$

Raj runs 3 times, hence

$$\text{Total distance} = 3 \times p$$

$$= 3 \times 302$$

$$= 906$$

$$\text{Answer} = 906 \text{ m}$$

How did you do? If you didn't do well, watch the following video and try again!

- [Perimeter](#)