

Morning Work - Wednesday

Give me instructions for converting from centimetres to kilometres?

Jo says that $0.37 \text{ km} = 37\text{m}$. What might she be doing wrong? How could you explain how to find the right answer?

Why is $8\text{m } 4\text{cm}$ the same as 8.04m and not 8.4m ?

Write these lengths in order, starting with the shortest. $1/2\text{m}$, 25mm , 3.5cm ,

20cm , 0.0025km

If $1 \text{ mile} = 1.6\text{km}$, how many km is equivalent to 8 miles?

A pencil weighs about 3g . A school buys 135 packs of 12. How much will these weigh in kg?

L.O. Multiply numbers.

1. $35 \times 3 =$

2. $3.5 \times 4 =$

3. $3 \times 6.7 =$

4. $4.5 \times 6 =$

5. $5.8 \times 4 =$

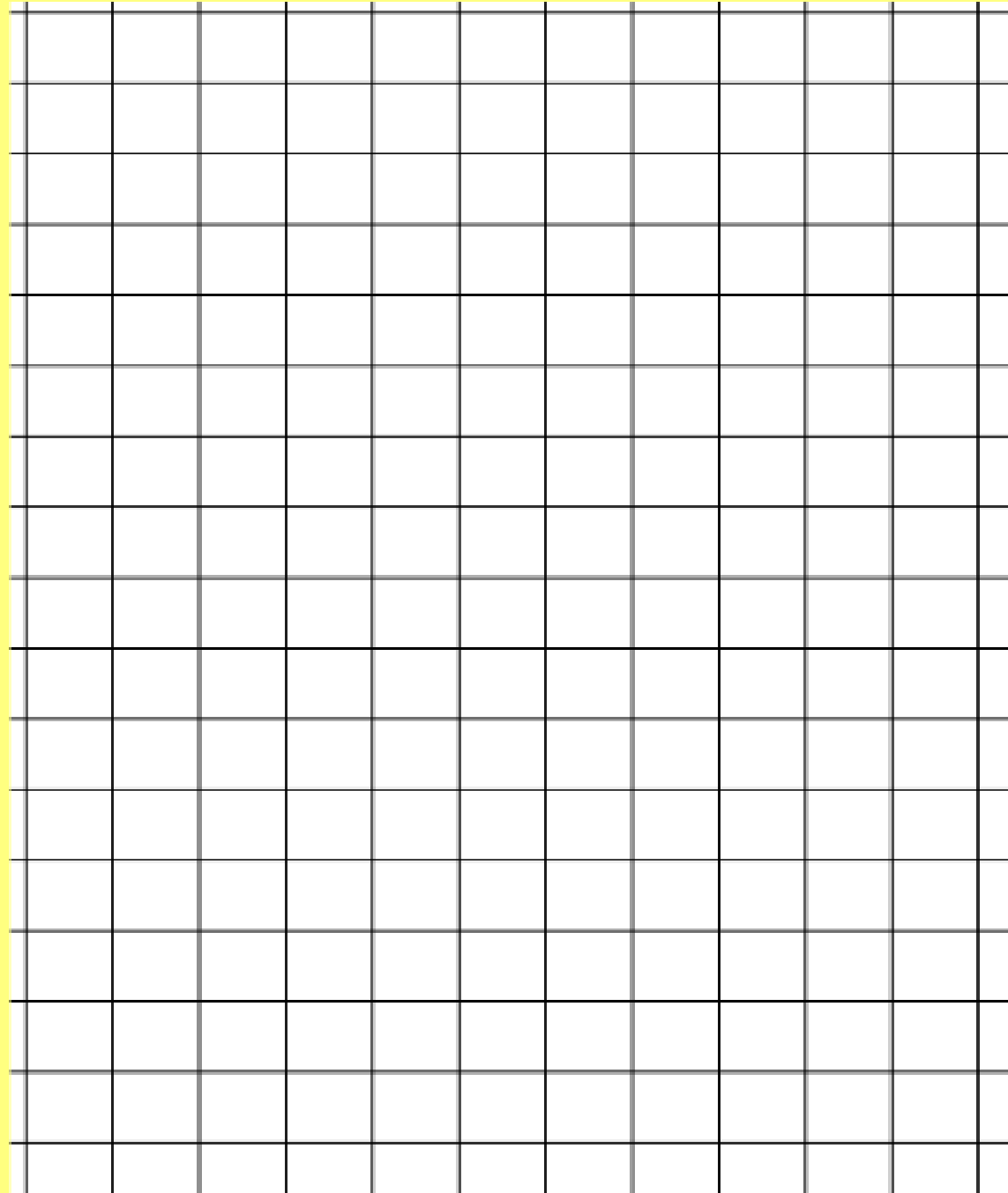
6. $3 \times 3.12 =$

7. $5.27 \times 4 =$

8. $4 \times 5.62 =$

9. $7.46 \times 4 =$

10. $7 \times 8.99 =$



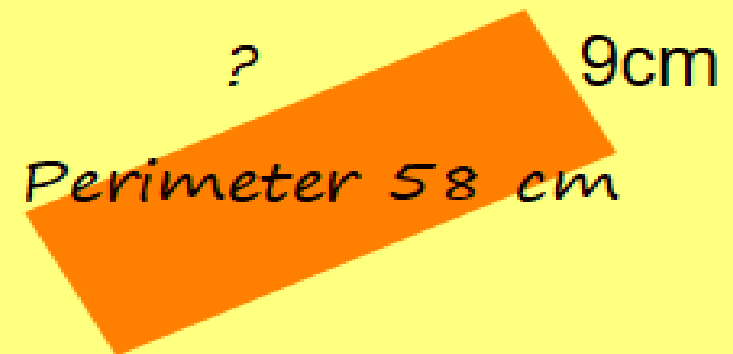
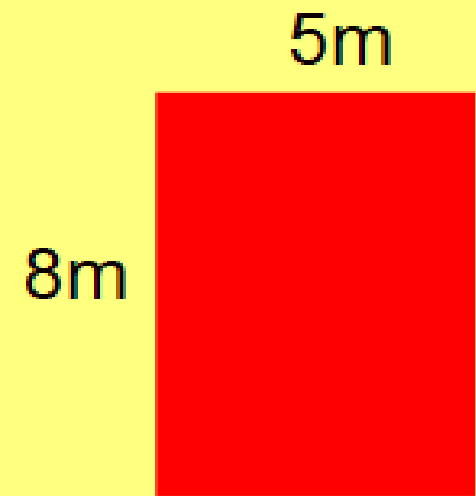
L.O. Find the perimeter of shapes.

What is perimeter? How can we calculate it?

Can you write a formula for calculating the perimeter of a rectangle?

$$\text{Perimeter} = 2 (l + w)$$

Calculate the dimensions of these rectangles.

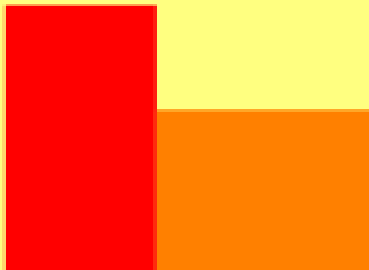
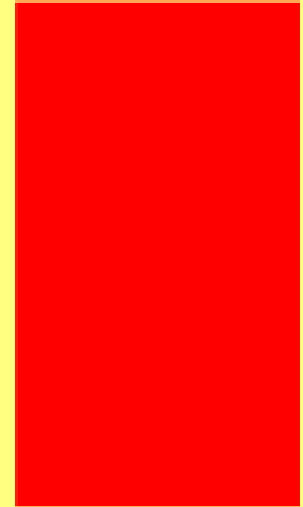


L.O. Find the perimeter of shapes.

A square has a perimeter of 48 cm.
How long is each side?



A rectangle has a perimeter of 84 cm. One side is 25 cm long.
What are the dimensions of the rectangle?

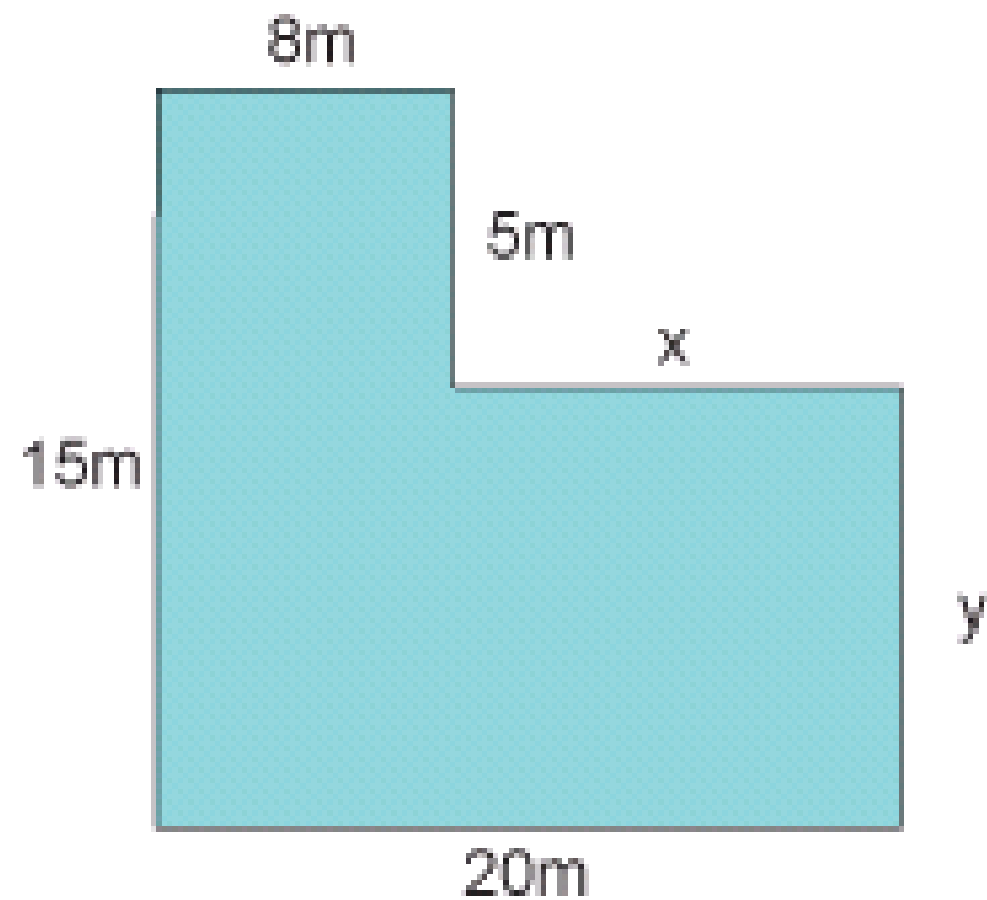


What is the perimeter of this shape?

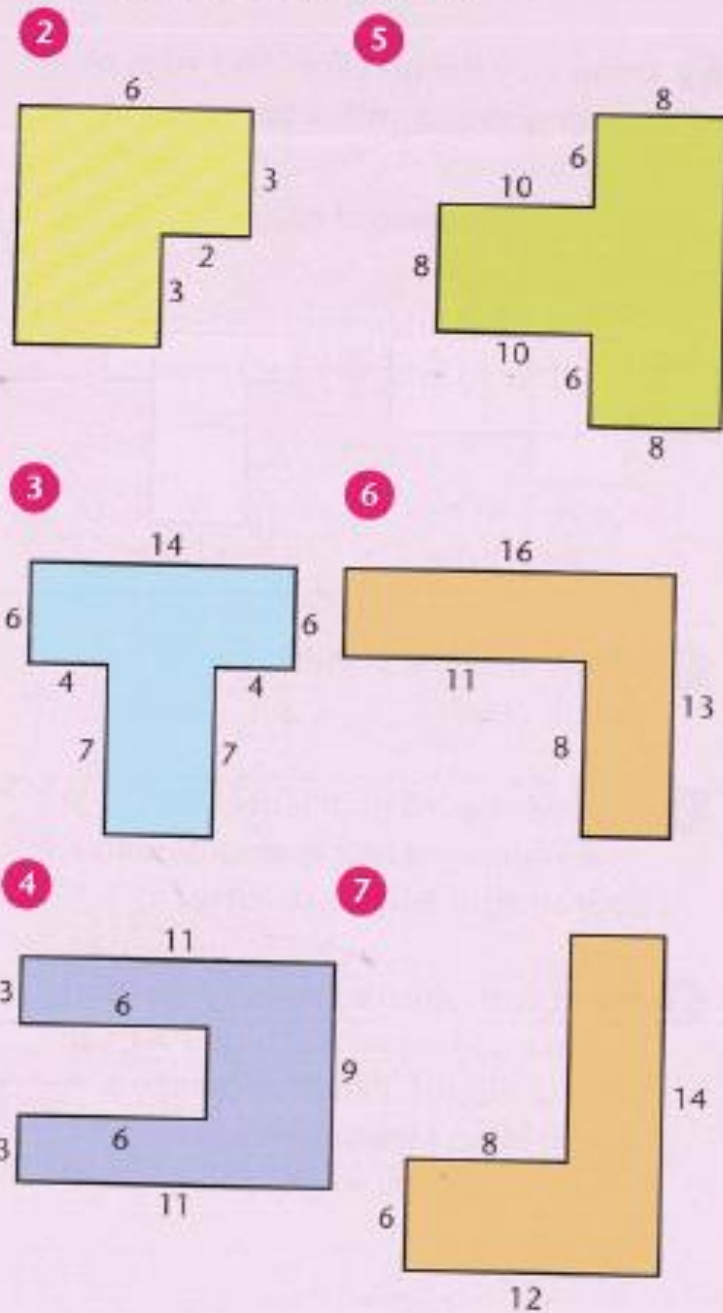
L.O. Find the perimeter of shapes.

Copy and complete this table.

Length	Width	Perimeter
8cm	5cm	
7cm	4cm	
10cm		30cm
	8cm	48cm
12m		60m
	7m	56m
26m		68m

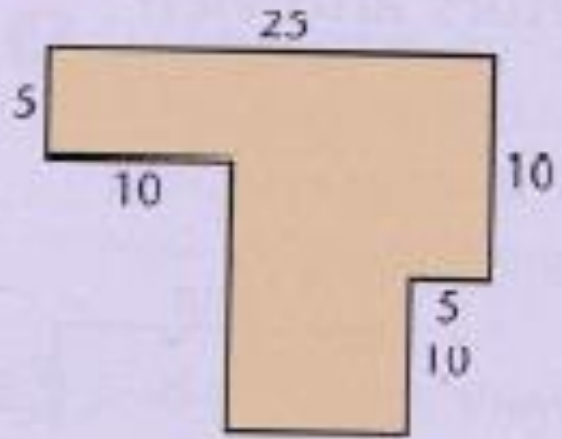


All lengths are in centimetres.

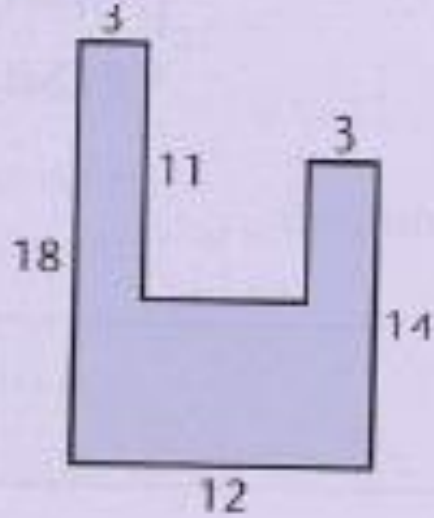


All lengths are in centimetres.

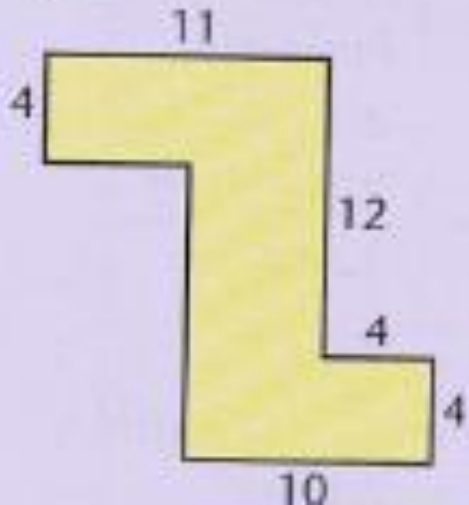
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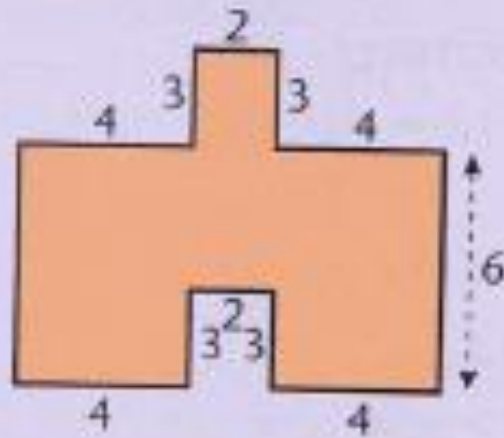
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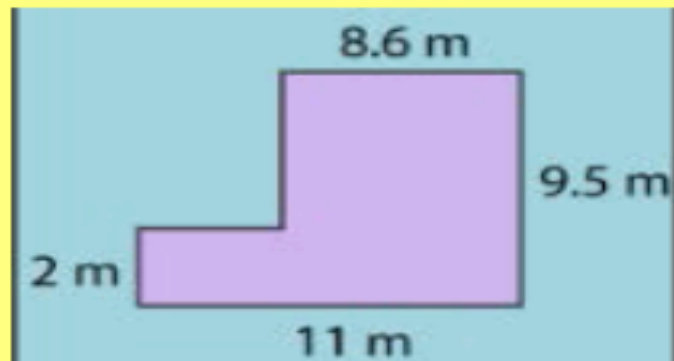
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How many rectangles can you make with a perimeter of 24cm?

TOP TIP Work systematically.

L.O. Find the perimeter of shapes.



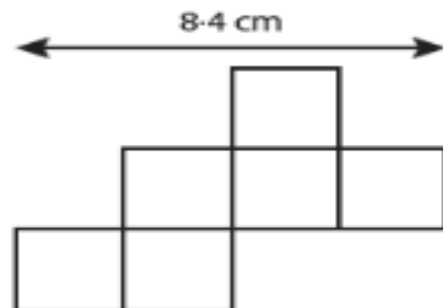
A square has a perimeter of 64 cm. How long is each side?

A path is made up of eight square concrete tiles placed in a row. The side of each tile measures 70cm. What is the perimeter of the path in metres?



Here is a tiled floor pattern.
It is made from squares.

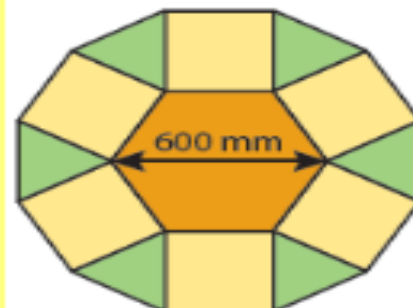
Work out the perimeter of the design.
Give your answer in metres.



Here is a tiled floor pattern.

It is made from equilateral triangles, squares and a regular hexagon.

Work out the perimeter of the design.
Give your answer in metres.



ANSWERS

Ignore part (b)

2 a) 24 cm	4 a) 52 cm 44	6 a) 58 cm
b) 30 cm ²	b) 81 cm ²	b) 120 cm ²
3 a) 54 cm	5 a) 76 cm	7 a) 52 cm
b) 126 cm ²	b) 240 cm ²	b) 104 cm ²

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1 a) 90 cm	3 a) 74 cm	5 a) 108 cm ²	6 a) 30.4 m ²
b) 300 cm ²	b) 138 cm ²	b) 36 cm ²	b) 190
2 a) 62 cm	4 a) 32 cm 44	c) 18 cm ²	7 2700 m ²
b) 132 cm ²	b) 32 cm ²	d) 72 cm ²	