CALCULATE PERIMETER

GET READY

White Rose Maths

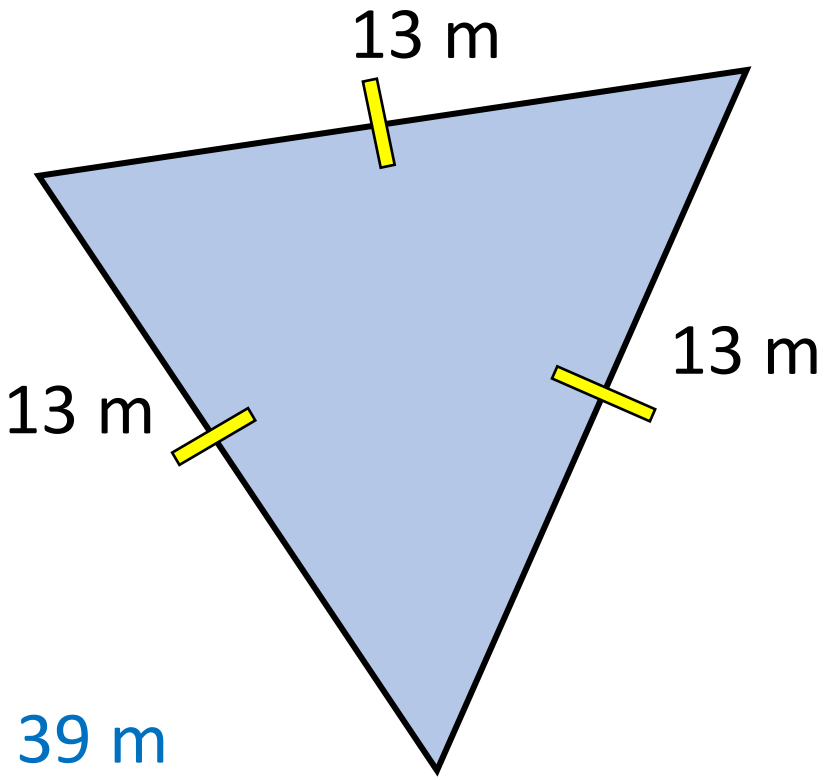
1) An equilateral triangle has a side length of 13 m.
   What is its perimeter?

2) Jack measures two sides of an isosceles triangle.
   One side is 6 cm and the other is 4 cm.
   What are the two possible perimeters of the triangle?

   10 cm 14 cm 16 cm 24 cm

3) A square has a 10 cm side.
   An equilateral triangle has a 12 cm side.
   Which shape has the greater perimeter?

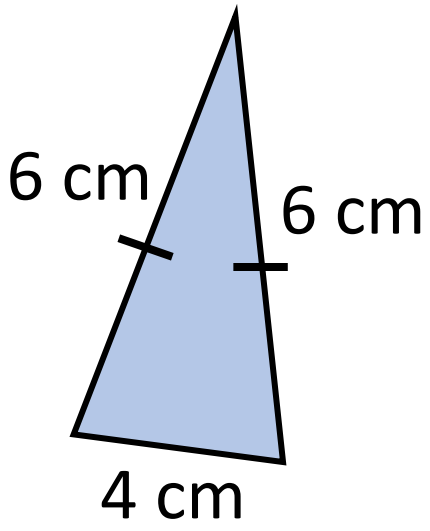
1) An equilateral triangle has a side length of 13 m.
What is its perimeter?

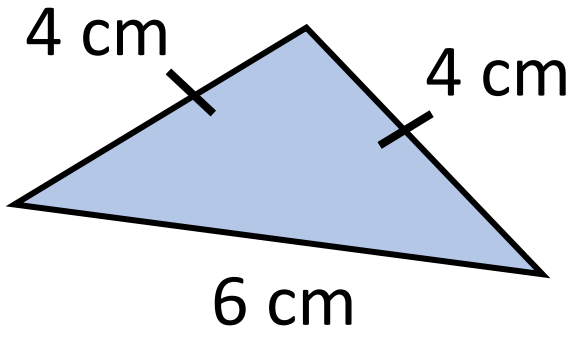


$13 \text{ m} \times 3 = 39 \text{ m}$

2) Jack measures two sides of an isosceles triangle.
One side is 6 cm and the other is 4 cm.
What are the two possible perimeters of the triangle?

10 cm 14 cm ✓ 16 cm ✓ 24 cm





3) A square has a 10 cm side.
An equilateral triangle has a 12 cm side.
Which shape has the greater perimeter?

The square

Square: $10 \times 4 = 40$ cm

Equilateral triangle: $12 \times 3 = 36$ cm

LET'S LEARN

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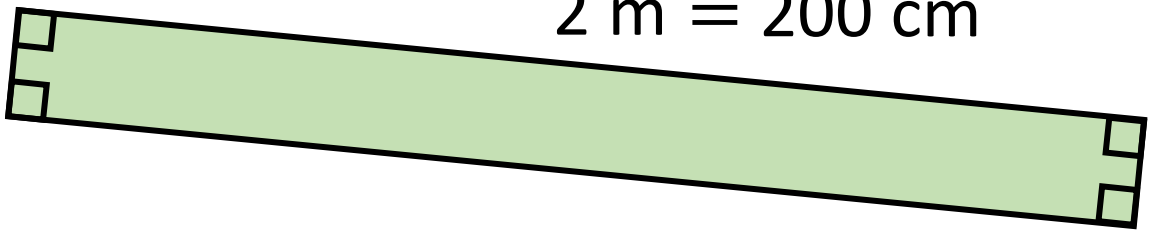
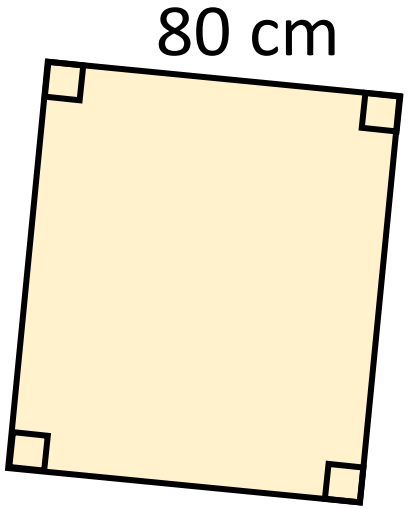


12 cm × 2 = 24 cm

210 cm × 2 = 420 cm



Have a think

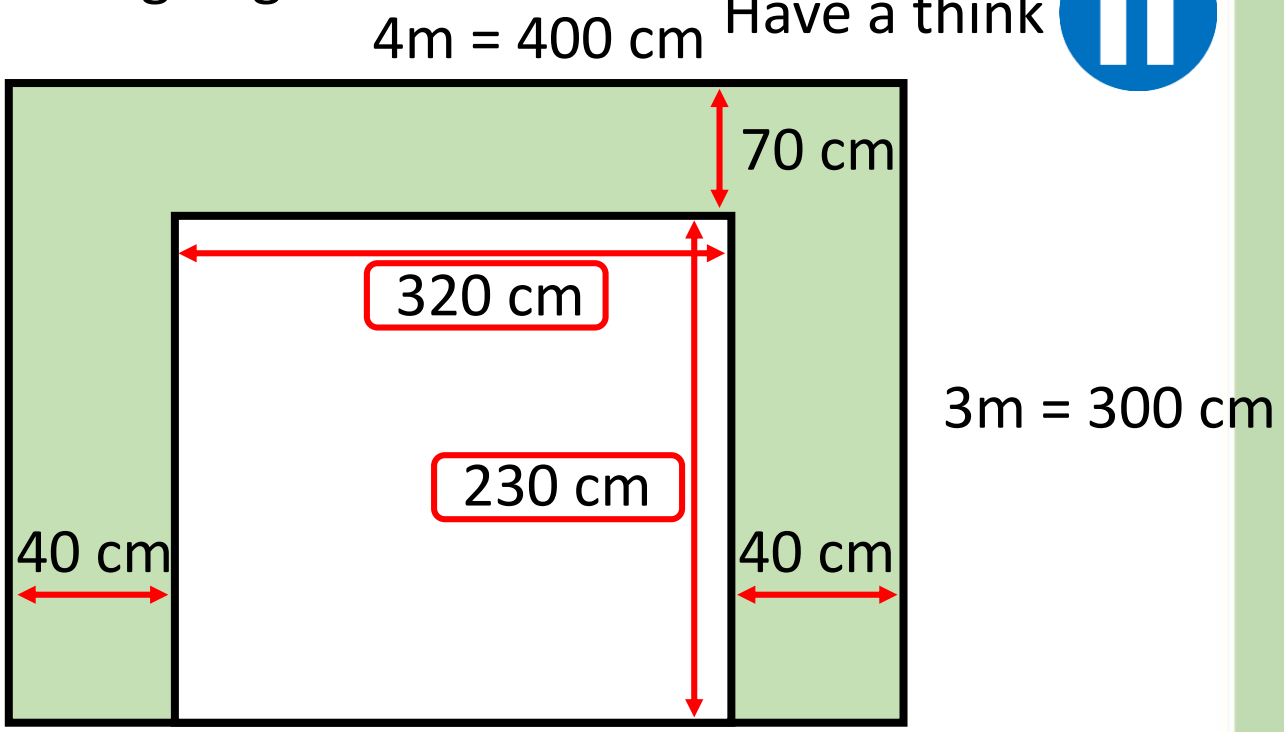
1 m = 100 cm

180 cm × 2 = 360 cm

The front of a garage is a rectangle 3 m high and 4 m wide.

The garage door is 70 cm shorter and 40 cm thinner on each side than the garage.

Have a think



What is the perimeter of the garage door?

$320 + 230 = 550$ cm

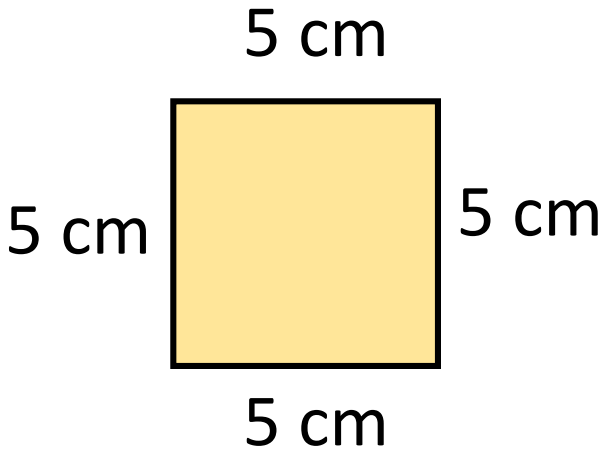
$550 \times 2 = 1{,}100$ cm

YOUR TURN

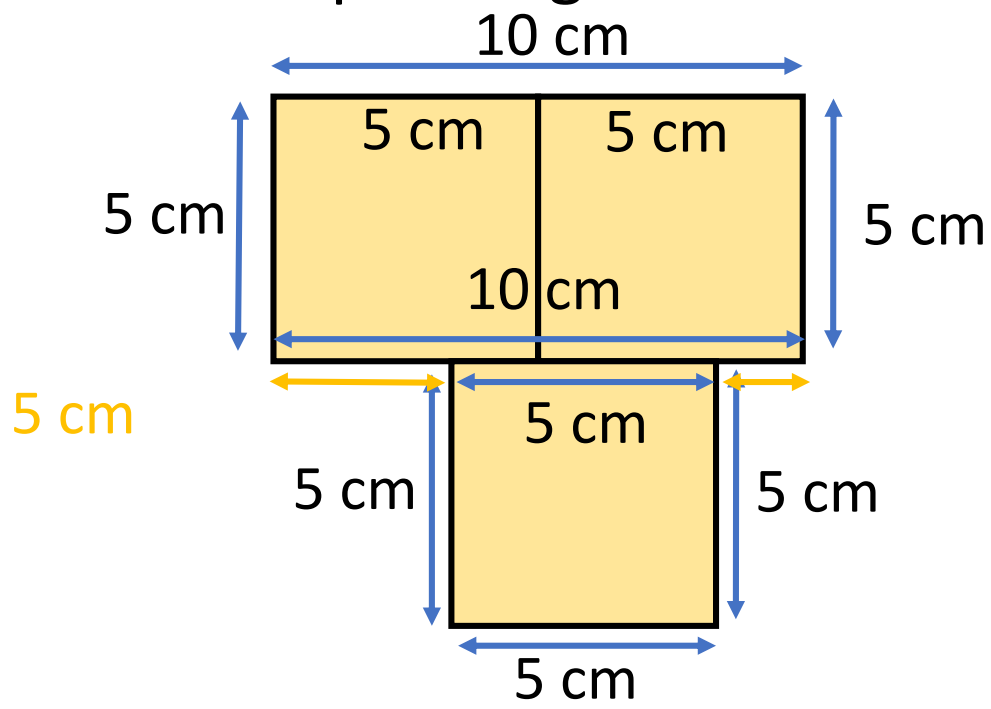
Have a go at questions
1 - 3 on the worksheet

White Rose Maths

Ava is using squares with 5 cm sides.



Ava makes this shape using three of the squares.



Ava thinks that she cannot calculate this shape's perimeter.

Explain why Ava is incorrect.

Have a think

$10\text{ cm} + 5\text{ cm} + 5\text{ cm} + 5\text{ cm} + 5\text{ cm} + 5\text{ cm} + 5\text{ cm} = 40\text{ cm}$

YOUR TURN

Have a go at questions 4 - 7 on the worksheet

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