Year 3 Summer 2 Week 8 Lesson 4

Can I find perimeter of 2D shapes?

Fast Five - Answers on the next slide.
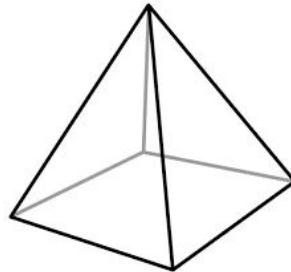
1. 47 + ____ = 100

2. 496
 + 224

3. 31 ÷ 5 =
4. Half of 70
5. What shape is this?

Fast Five - Answers.

1. 47 + 53 = 100

2. 496
   + 224
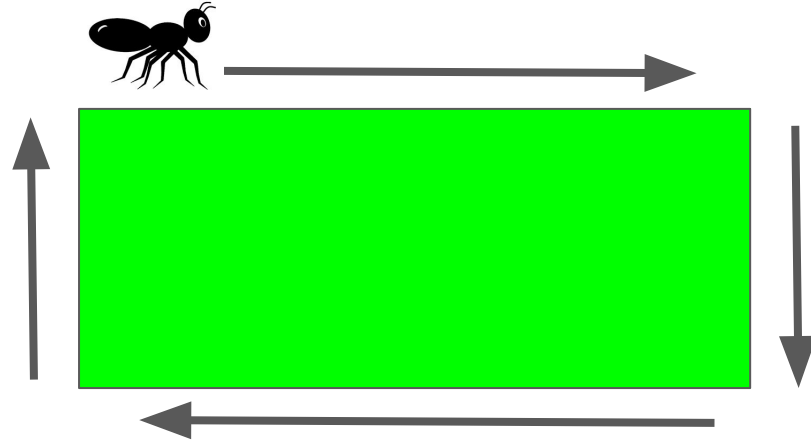   720

3. 31 ÷ 5 = 6r1
4. Half of 70 = 35
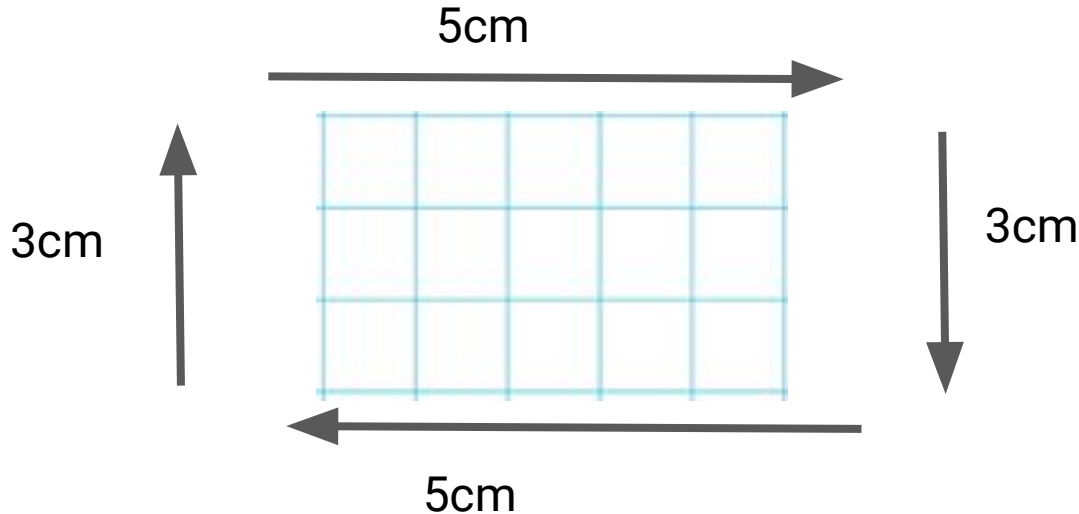5. What shape is this? Square based pyramid.
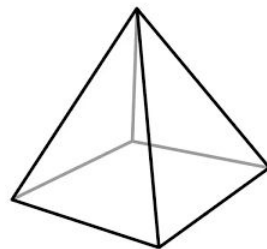
Perimeter of a shape.

Perimeter means 'the distance around the whole outside edge of a shape'. Imagine an ant walking all the way around the shape. The length he walked is known as the 'perimeter'.
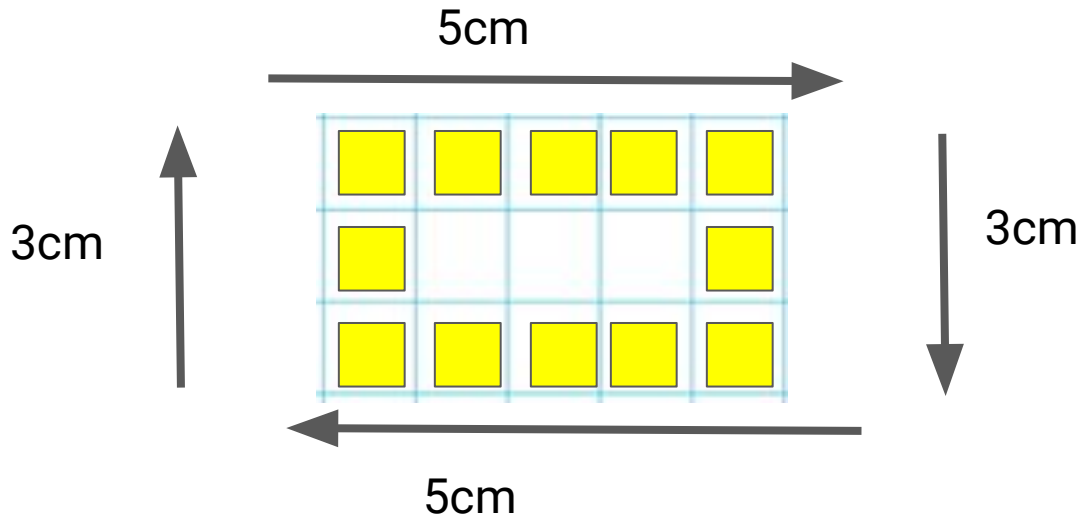
Perimeter of a shape.

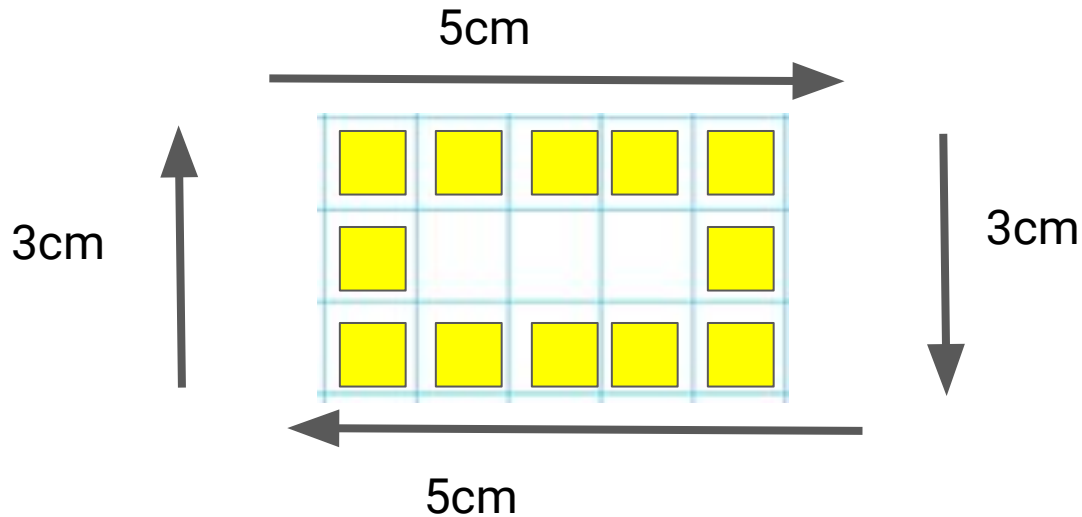We can find the perimeter of a shape by **adding all the sides together**.

5cm

3cm

3cm

5cm

Perimeter of a Shape.

We can find the perimeter of a shape by **adding all the sides together or counting the sides of the squares around the edge of a shape.**

5cm

3cm

3cm

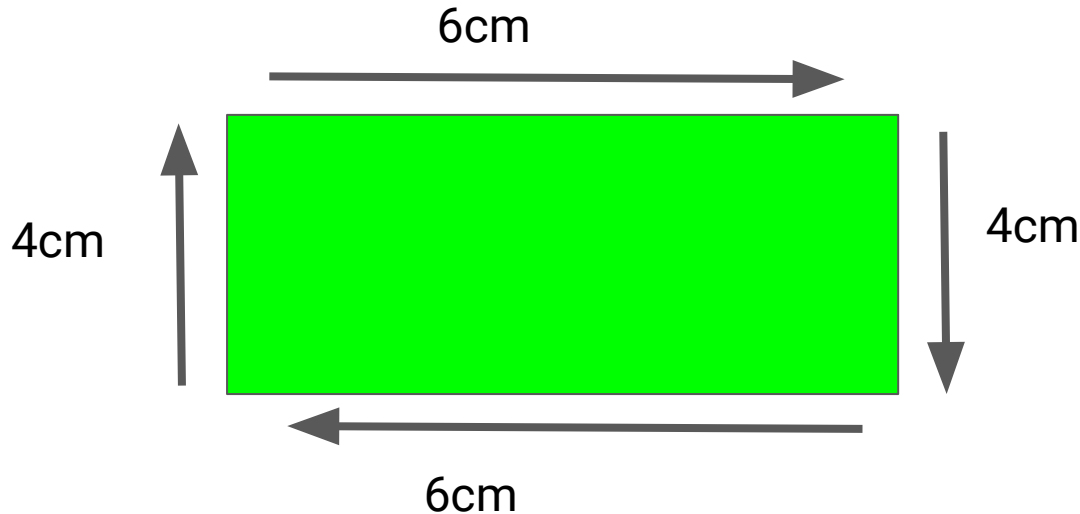5cm

Perimeter of a shape.

Therefore the perimeter is

5cm+5cm+3cm+3cm = 16cm

5cm

3cm

3cm
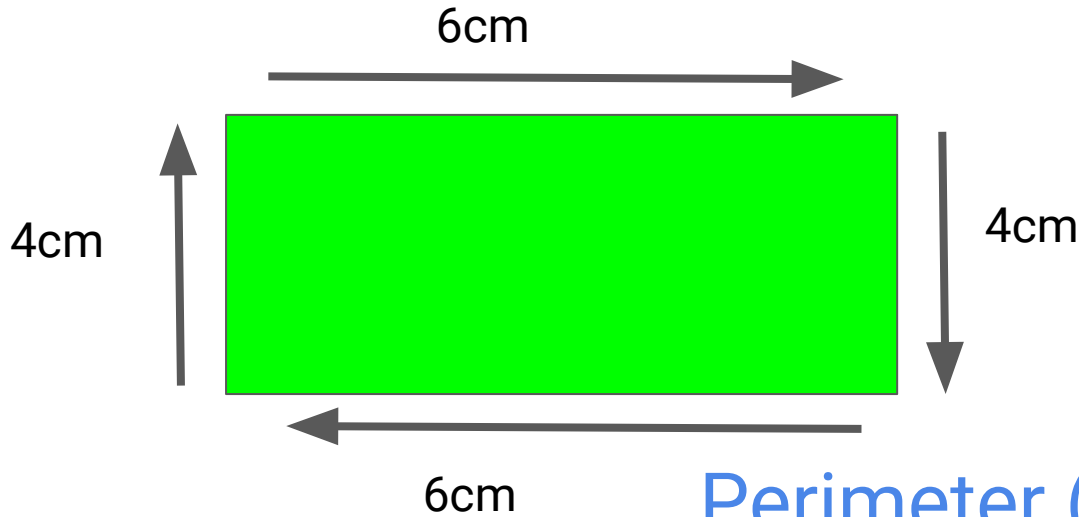
5cm

Perimeter of a shape.

We can find the perimeter of a shape by **adding all the sides together**.

6cm

4cm

4cm

6cm

Perimeter of a shape.

We can find the perimeter of a shape by **adding all the sides together**.

6cm+6cm+4cm+4cm = 20cm

6cm

4cm

4cm

6cm

Perimeter (P)= 20cm
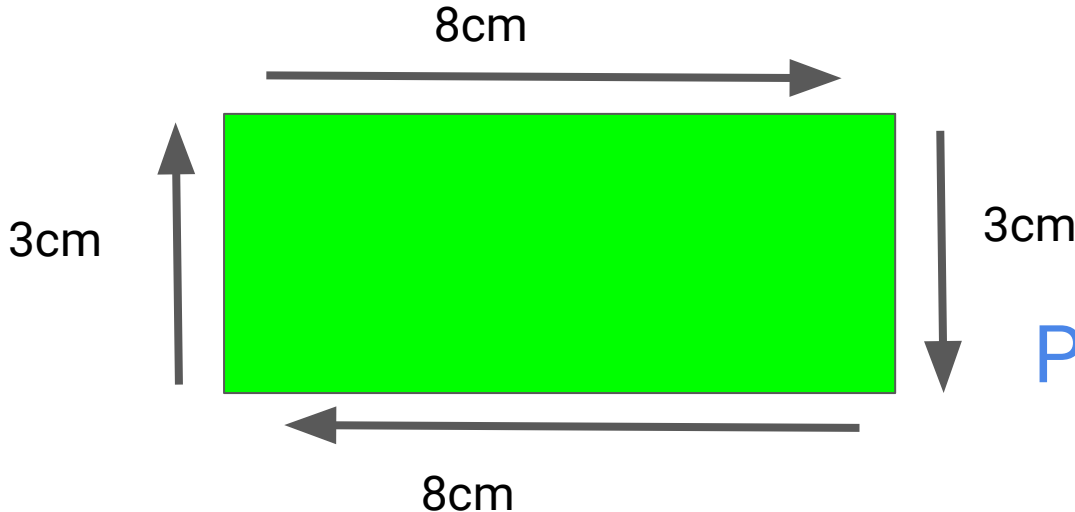
Perimeter of a shape.

Can you work out the perimeter of this shape? Answer on the next slide.

8cm

3cm

3cm

8cm
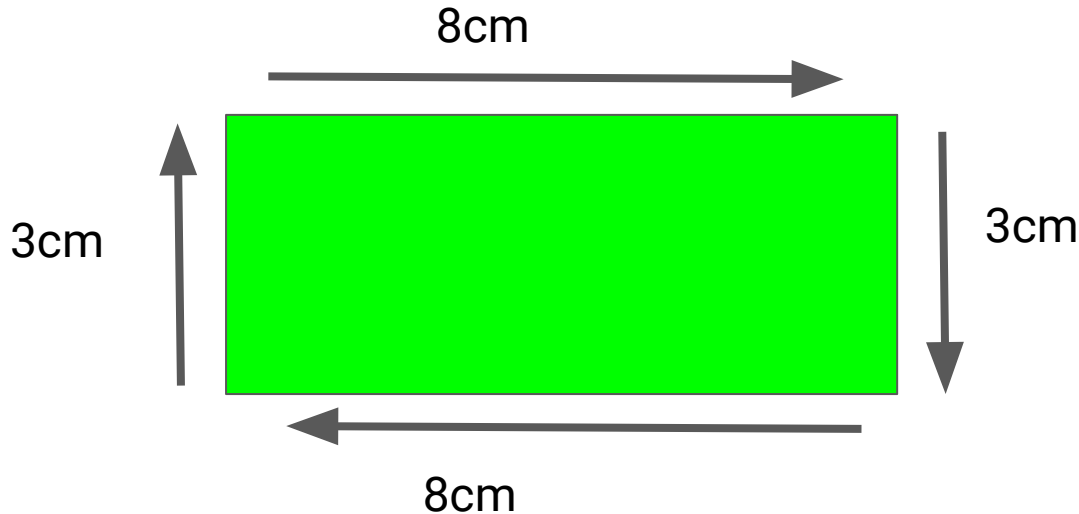
Perimeter of a shape.

Can you work out the perimeter of this shape?
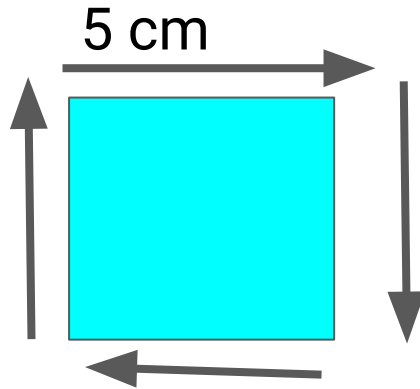Answer: 8cm+8cm+3cm+3cm = 22cm

8cm

3cm

3cm

8cm

Perimeter (P)= 22cm

Perimeter of a shape.

Sometimes we aren't given all the measurements for the sides. We can still find the perimeter...

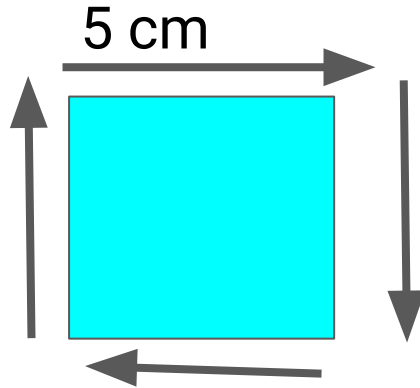This shape is a **square.** (*All sides are the same length on a square!*)

5 cm

Use what you know about a shape to help you.

Perimeter of a shape.

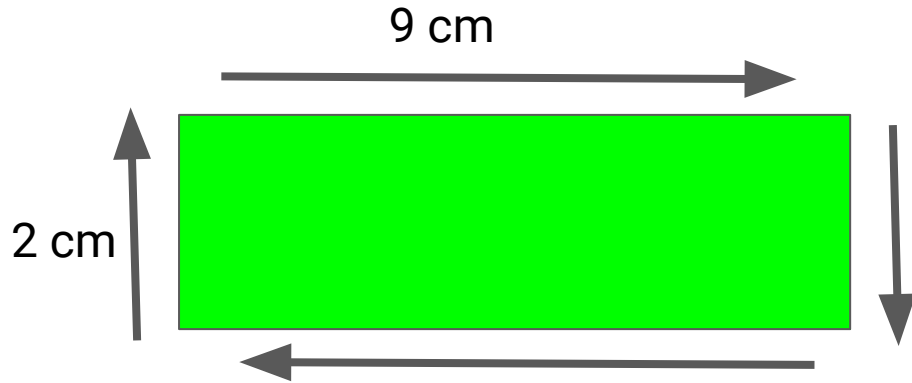Sometimes we aren't given all the measurements for the sides. We can still find the perimeter...

The perimeter is 5cm + 5cm + 5cm + 5cm = 20cm

5 cm
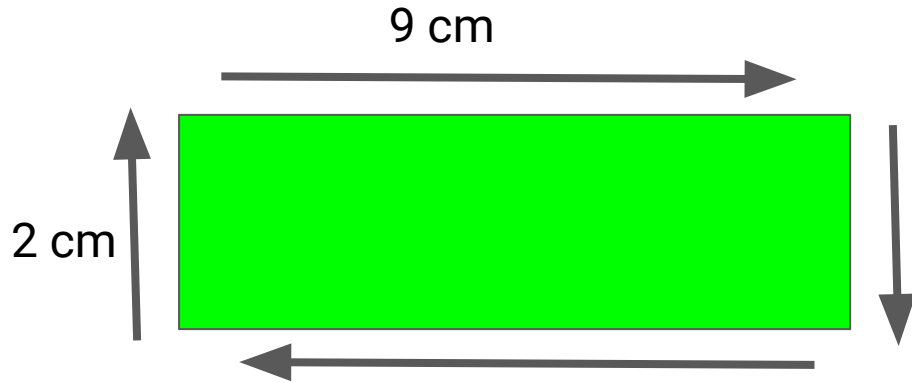
Perimeter (P)= 20cm

Perimeter of a shape.

Can you work out the perimeter of this shape? Answer on the next slide.

9 cm

2 cm

Use what you know about the shape to help you. *This is a rectangle so the **parallel lines** are the same length.*

Perimeter of a shape.

Can you work out the perimeter of this shape? Answer: The perimeter is 9cm + 9cm + 2cm + 2cm = 22cm

9 cm

2 cm

Perimeter (P)= 22cm

Activity:

Red: Add together the sides of shapes to find the perimeter. Using squares.

Yellow: Add together the sides of shapes to find the perimeter. Without squares.

Green: Add together the sides of shapes to find the perimeter. Some lengths are missing.