HELLO!

Today we are going to revise area

1. $9 \times 4 =$

2. $\frac{1}{2}$ of $56 =$

3. $(3 \times 4) + (5 \times 7) =$

THIRD SPACE LEARNING

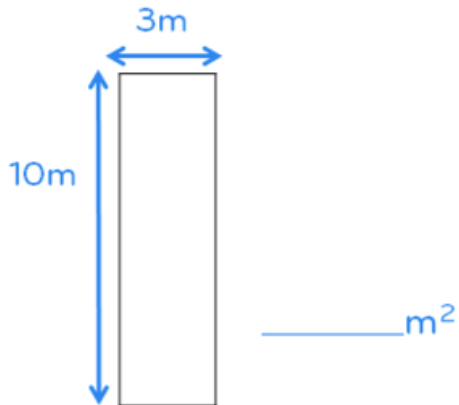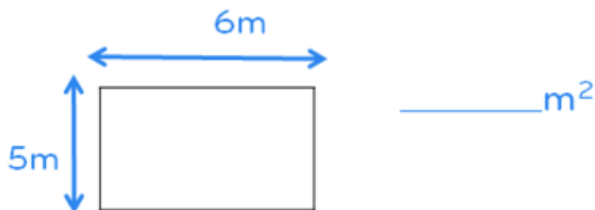# Revision on measurement

Today we are going to revise how to:

Measure and calculate **area** of

- Rectangles

- Compound shapes

- Triangles

- Parallelograms

Area is the amount of space inside a 2D shape

Are the areas of these rectangles equal? How do you know?
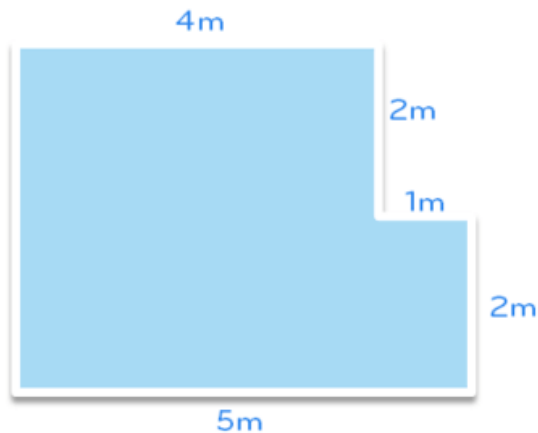
6m

5m

_____ m^2

3m

10m

_____ m^2

What do you notice about the perimeter and areas of these two shapes?

Revision: Area

Area is the amount of space inside a 2D shape
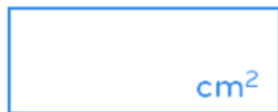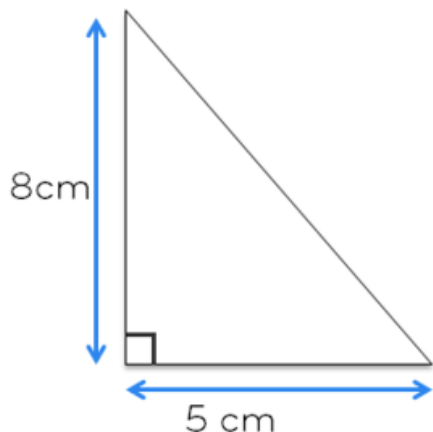
What is the area of this compound shape?

4m

2m

1m

2m

5m

Area =

m^2

m^2

Revision: Area

Area is the amount of space inside a 2D shape

Formula for area of triangle =

$$\frac{\text{base} \times \textit{perpendicular} \text{ height}}{2}$$
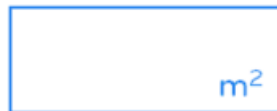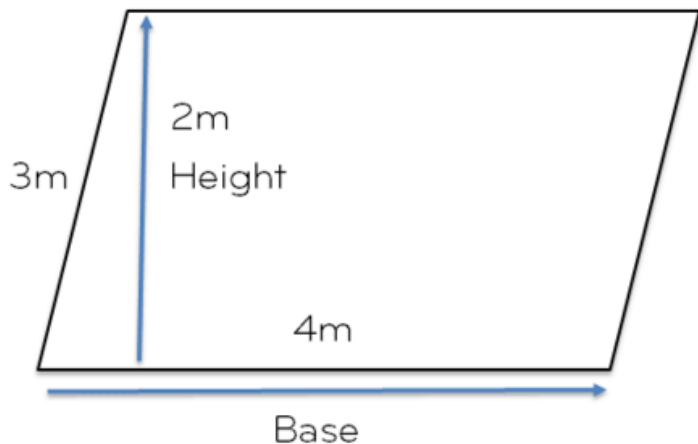
Calculate the area of this triangle.

8cm

5 cm

cm²

This triangle is half of a rectangle.

THIRD SPACE LEARNING

Revision: Area

Area is the amount of space inside a 2D shape

Formula for area of parallelogram = base x *perpendicular* height

Calculate the area of this parallelogram.

3m

2m

Height

4m

Base

m^2

THIRD SPACE LEARNING

 Complete

The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?
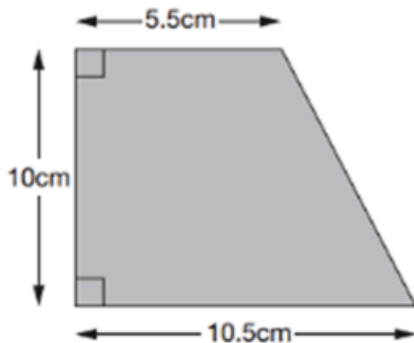
square metres

Question 2

✏️ Complete

Here is a trapezium with a height of 10 centimetres.

Not actual size

The parallel sides are 5.5cm long and 10.5cm long.

Find the **area** of the trapezium.

What do you <u>notice</u>?
What do you <u>know</u>?
Can you show your <u>working out</u>?
How could you <u>extend</u> the question?

Let's review:

I can measure and calculate perimeter and area

Draw a circle around the smiley face to show how you feel about what we've just been doing.
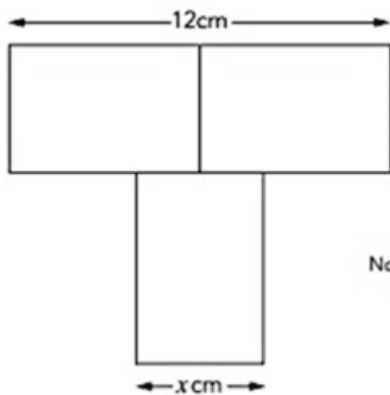
✏️ Complete

Here is a T-shape made from 3 identical rectangles.
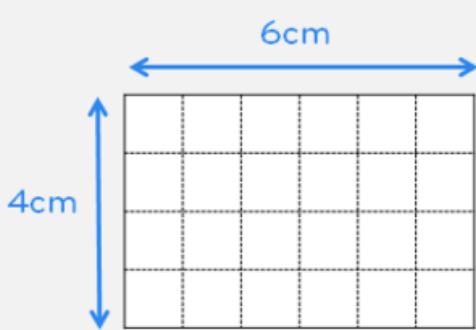
The area of the T-shape is **90cm²**

←——— 12cm ———→

Not to scale

←— x cm —→

Work out the value of x.

What do you notice?
What do you know?
Can you show your working out?
How could you extend the question?

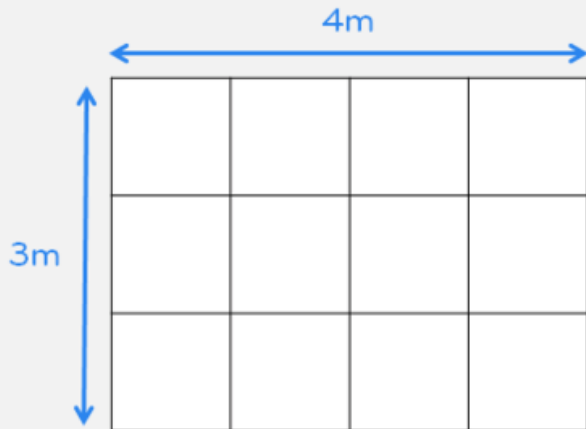# Calculate areas of rectangles using square cm and square m

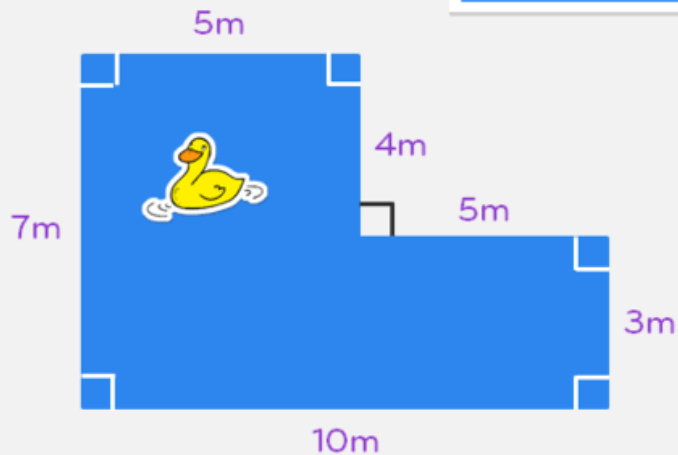Find the areas of these rectangles (drawings are not to scale).

6cm

4cm

4m

3m

Area = _____ cm²

Area = _____ m²

Areas of all shapes made up of rectangles

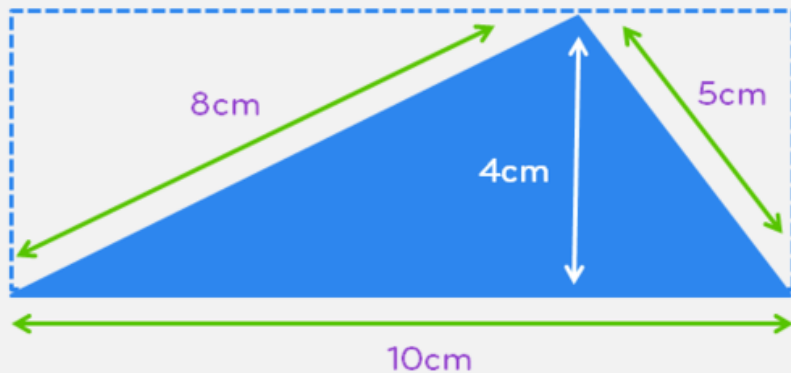What is the area of this swimming pool?

5m

4m

5m

7m

3m

10m

Understand the method for finding areas of triangles
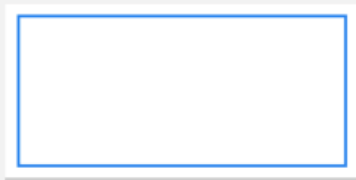
Find the area of the blue triangle.

8cm

5cm

4cm

10cm

Use the formula for finding the area of triangles
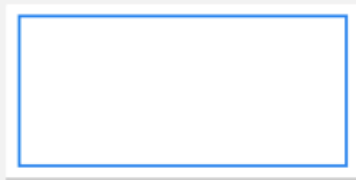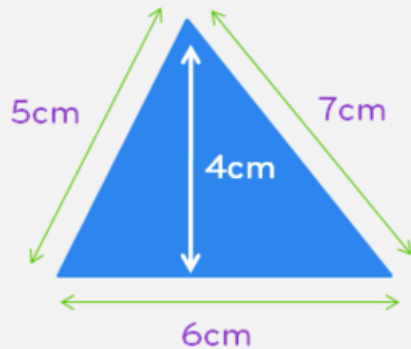
Find the areas of these triangles using the formula:

Area of a triangle $=$ $\dfrac{\text{base} \times \text{height}}{2}$

1.

5m

12m

2.

5cm

7cm

4cm

6cm

THIRD SPACE LEARNING

Understand the method for finding areas of parallelograms

How might you find the area of this parallelogram?

10cm

11cm

7cm