LBQ Support Pack

Welcome to your maths help pack for the week. In this pack you will find a page or two that will help you with the days task on LBQ.

If you are still unsure of something from your LBQ task, just email Mrs Catalano

11.05.20

Converting between centimetres and metres

Today you will be converting between centimetres and metres.
To do this you will need to be able to divide and multiply using 100.
To convert metres to centimetres, the measurement in metres is multiplied by 100.
Remember that when a number is multiplied by 100, the value of each digit is **multiplied** one hundred times. This can be described as each digit moving **two** place value spaces to the **left**. If needed in the ones and tens column, add a 0 as a place holder.

millimetre (mm)	10 mm = 1 cm 1000 mm = 1 metre	1 metre ÷ 1000 = 1mm milli - $\frac{1}{1000}$
centimetre (cm)	100 cm = 1 metre	1 metre ÷ 100 = 1cm centi - $\frac{1}{100}$
metre (m)		metre x 1
kilometre (km)	1000 m = 1km	metre x 1000 kilo - 1000

11.05.20

Converting between centimetres and metres

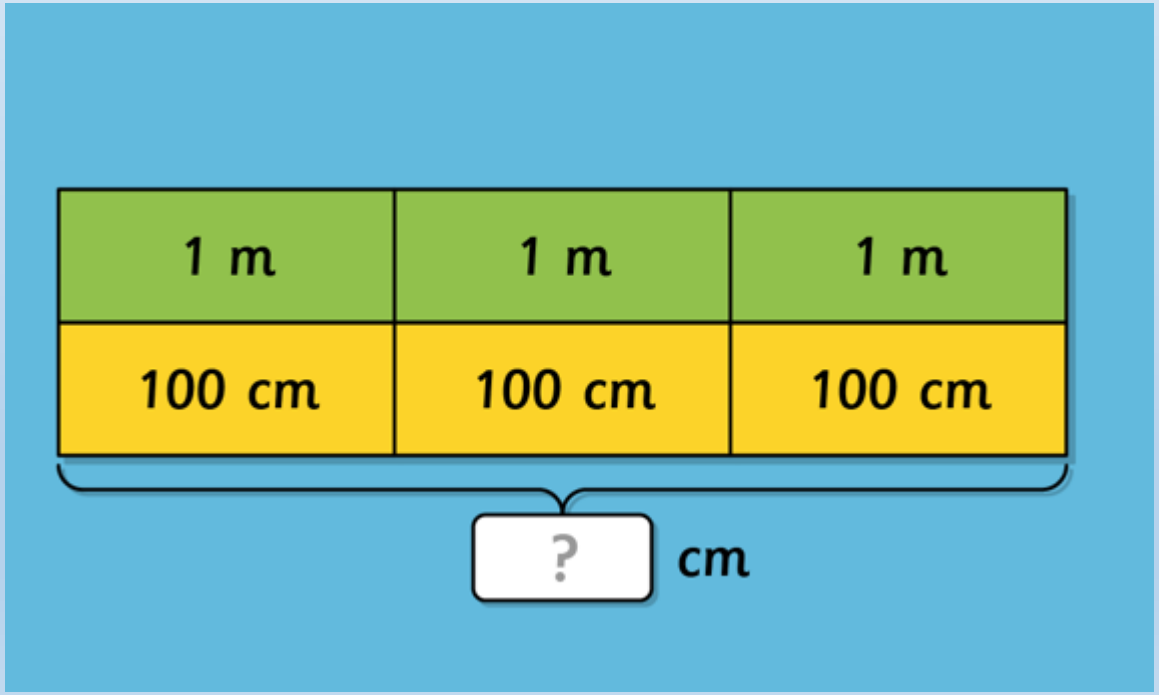
So, if I have the 3 metres, how many centimetres do I have?

I know that there are 100 centimetres in a metre.

I need to do the calculation 100 x 3 because there are three metres.

3 x 100 = 300

Therefore 3 metres = 300 centimetres.

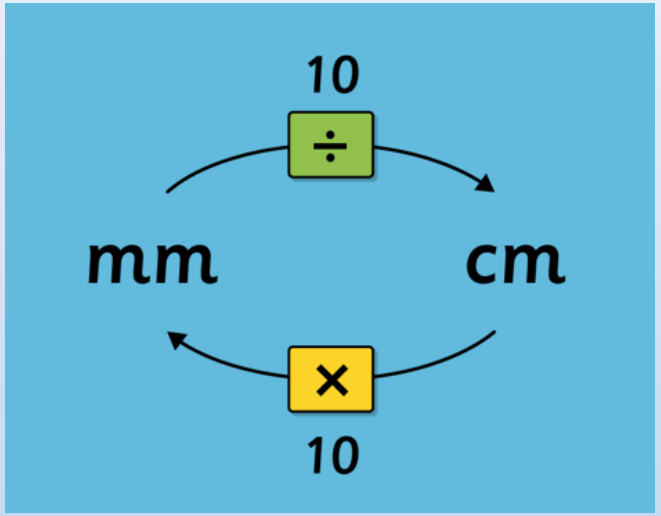


12.05.20

Converting between millimetres and centimetres.

Today you are going to be converting between millimetres and centimetres.

For this you will need to remember that there are 10 millimetres in a centimetre. This means that today you will be multiplying and dividing by 10.

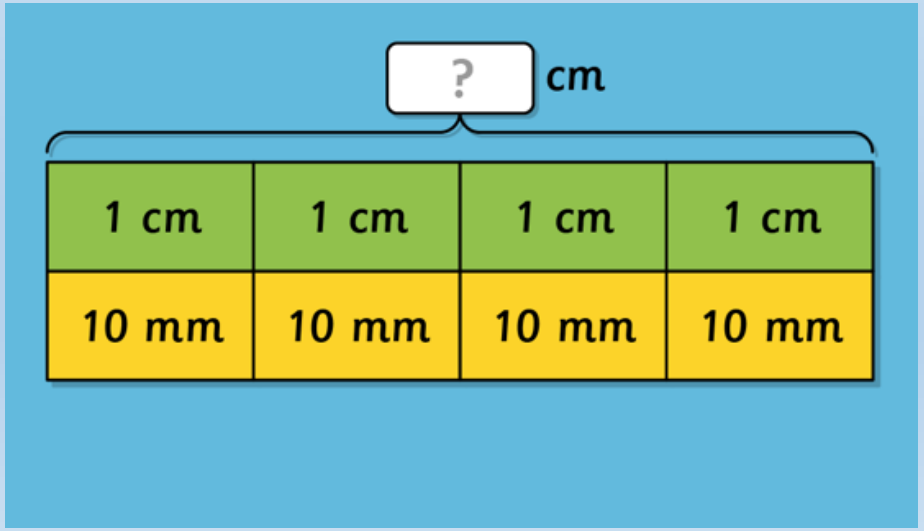


Let's practise!

Q. If I have 40 millimetres, how many centimetres do I have?

A. There are 10 millimetres in a centimetre. 40 divided by 10 = 4

B. 40mm = 4cm



13.05.20

Measure and compare mass

Today you will be measuring and comparing mass.

What is mass?
Finding the weight of an object is also described as "measuring its mass".
We measure the weight of an object using grams and kilograms.

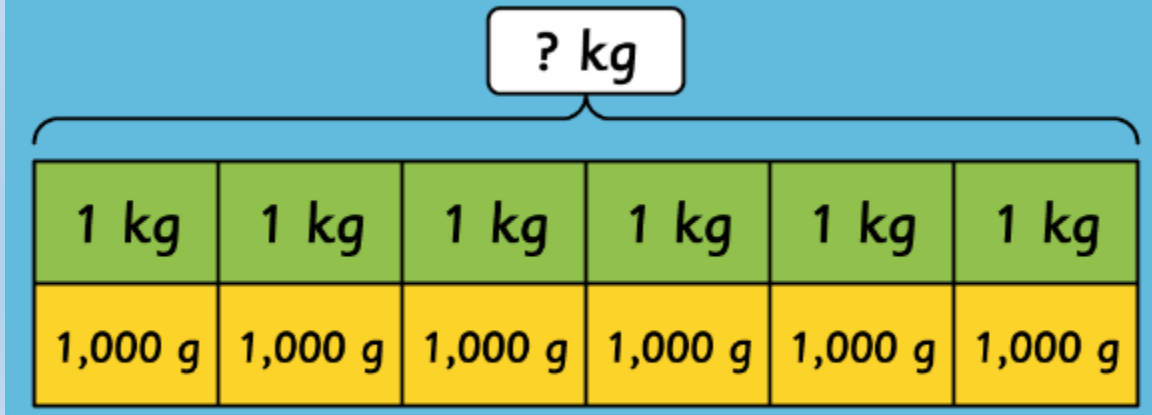
We measure heavy objects using kilograms and lighter objects using grams.

Let's Practise!

I have 6000 grams, how many kilograms do I have?
Remember 1kg = 1000g

6000 divided by 1000 = 6

6000g = 6kg



14.05.20

Converting between grams and kilograms

Today you are going to be converting between units of mass including grams and kilograms.

Remember, there are 1000 grams in a kilogram.

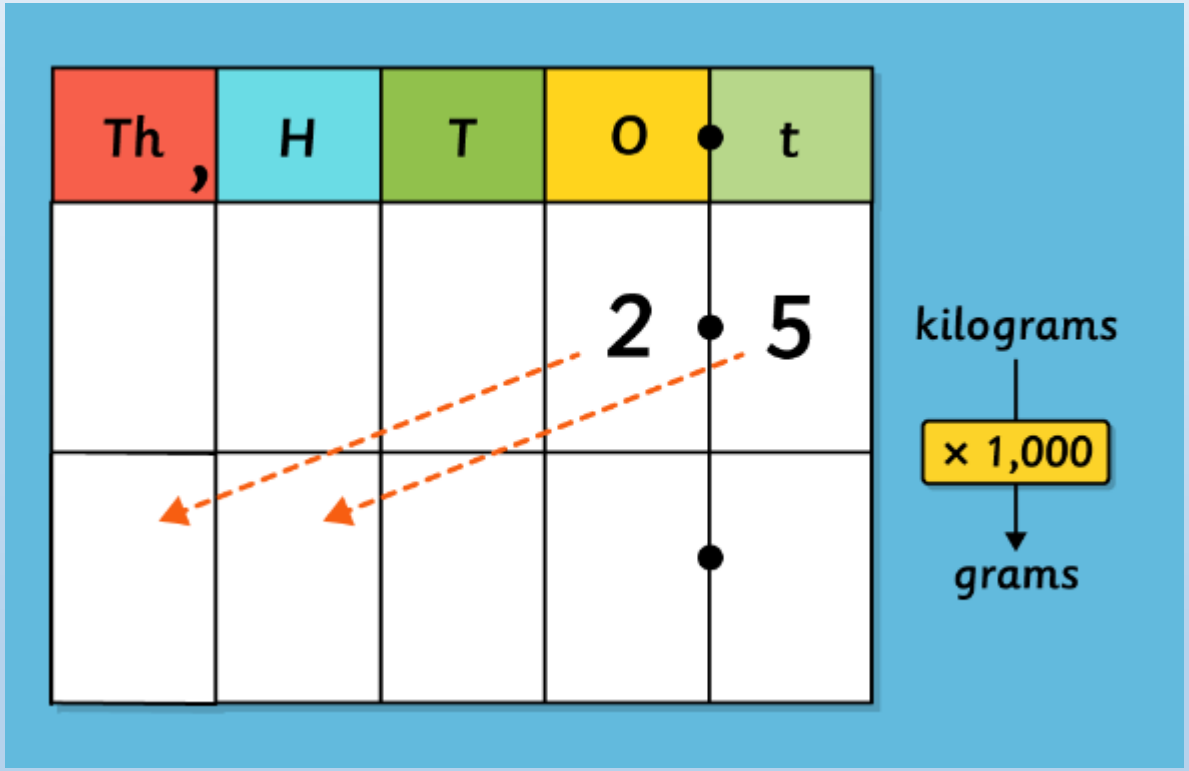
So you will be dividing and multiplying by 1000.

Let's Practise!

If I have 2.5kg, how many grams do I have?

2.5 x 1000 = 2500

Therefore 2.5kg = 2500kg



Try these:

- 4000 grams = 4 kilograms
- 255 grams = 0.255 kilograms
- 88 grams = 0.088 kilograms
- 3 grams = 0.003 kilograms

15.05.20

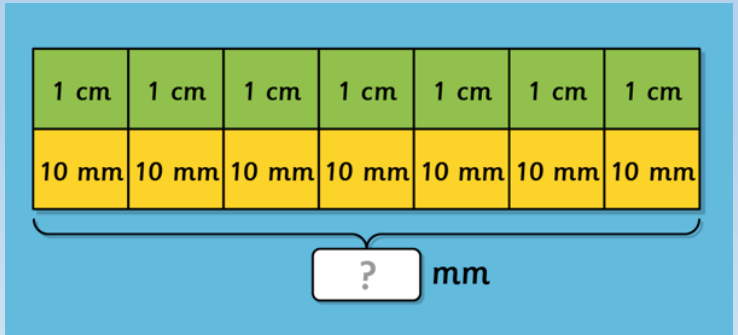
Reviewing Measure

Today you are going to be reviewing all the knowledge you have on measure. That's a lot! Do not fear though, you have all the skills you need to succeed!

Lets practise!

Let's have a go at this question to practise!

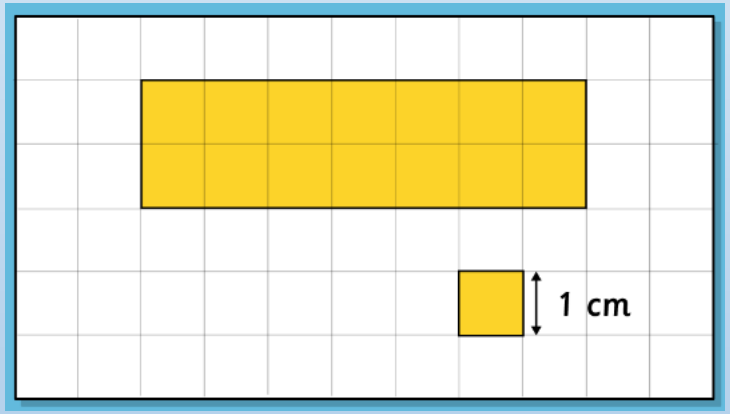
Q. If I have 7 centimetres, how many millimetres do I have?
A. 7 x 10 = 70 therefore 7cm = 70mm



Lets practise!

Q. What is the area of this shape?

Remember, the area is the space inside a 2D shape. Count the squares to find the area.



A. Each square represents a centimetre square. There are 14 centimetre squares in the shape. Therefore the area is 14cm squared.