



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



My Maths

There are five activities set on mymaths. Please access these by following the instructions and log in at

<https://www.mymaths.co.uk/>

These can be done in any order.

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 × 1
kilometre (km)	1000 m = 1km	metre × 1000 kilo - 1000

12.05.20

Converting between centimetres and metres

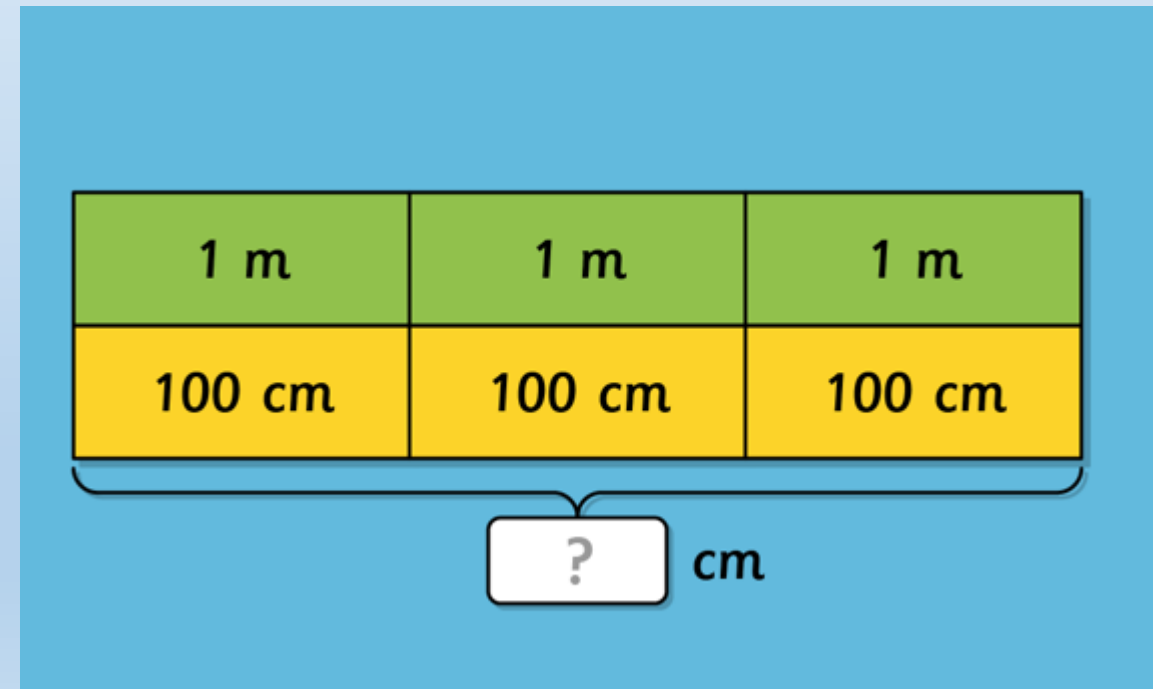
So, if I have the 3 metres, how many centimetres do I have?

I know that there are 100 centimetres in a metre.

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

$$3 \times 100 = 300$$

Therefore 3 metres = 300 centimetres.



13.05.20

Measure and compare mass

Today you will be adding and subtracting 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.

Terminology: kilogram, gram, weighs, heavier than, mass, find the difference

Let's Practise!

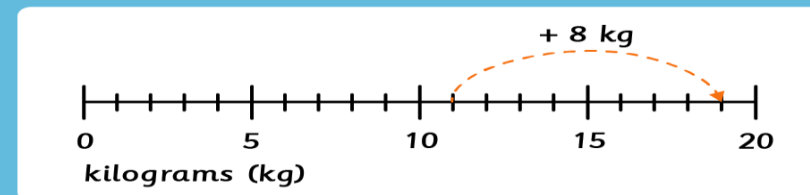
I have 11kg

I add 8kg

how many kilograms do I have?

$11\text{kg} + 8\text{kg} = ?$

Remember to use the number line if you need to check your answer!



14.05.20

Converting between grams and kilograms

Today you are going to be solving number problems using number facts, place value and addition and subtraction.

Terminology: total, add, subtract, difference, inverse operation

Let's Practise!

Each shape has a value. What is the value of the square?

400 divided by 2 = 200

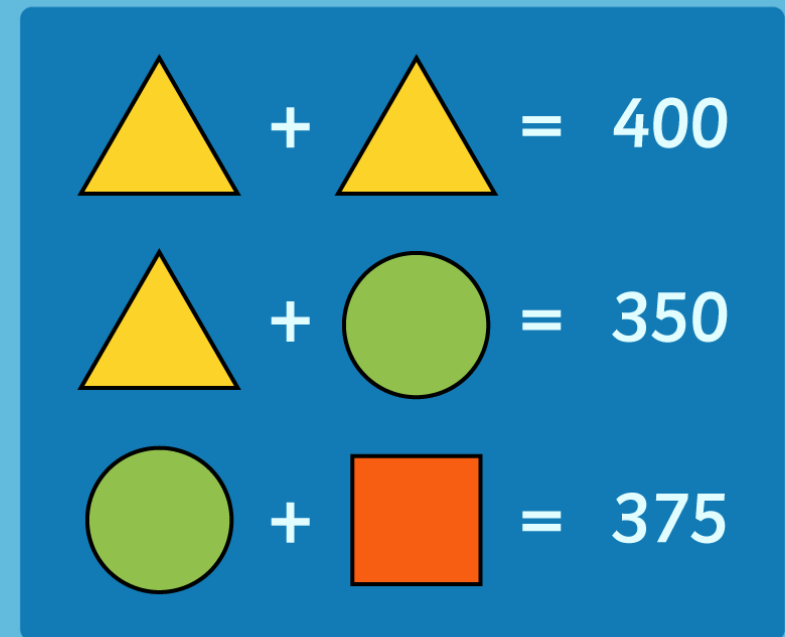
$200 + 200 = 400$

Therefore  = 200

So $200 + ? = 350$

Using inverse $350 - 200 = 150$

So $? = 150$


$$\begin{array}{rcl} \triangle + \triangle & = & 400 \\ \triangle + \bigcirc & = & 350 \\ \bigcirc + \square & = & 375 \end{array}$$

15.05.20

Reviewing Measure

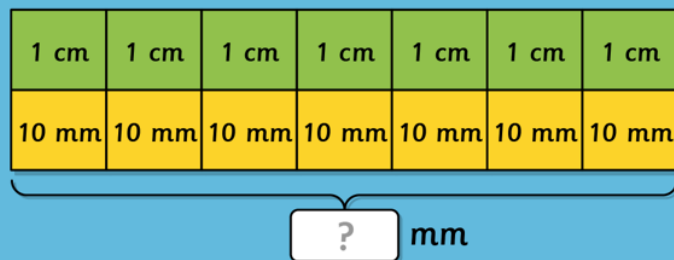
Today you are going to be reviewing all the knowledge you have on measure. That's a lot! Do not fear though, you have all the skills you need to succeed!

Lets practise!

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

Q. If I have 7 centimetres, how many millimetres do I have?

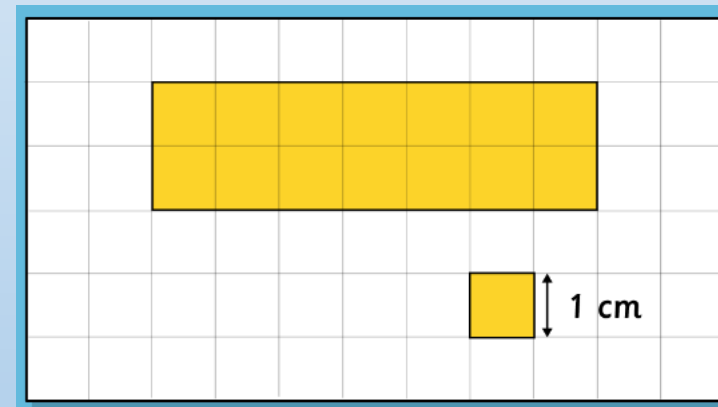
A. $7 \times 10 = 70$ therefore $7\text{cm} = 70\text{mm}$



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.