

### Refresh your memory on converting units of length, mass and capacity:

[https://www.bbc.co.uk/bitesize/topics/z4ns\\_gk7/articles/zqf4cw](https://www.bbc.co.uk/bitesize/topics/z4ns_gk7/articles/zqf4cw)

10mm (millimetres) = 1cm (centimetre)

100cm = 1m (metre)

1000m = 1km (kilometre)

1000g (grams) = 1kg (kilograms)

1000ml (millilitre) = 1l (litre)

### Practice Converting Measures

Complete the conversions.

1,000 mm = 1 m

5,000 mm =  m

50,000 mm =  m

500 mm =  m

5,500 mm =  m

1,000 ml = 1 l

ml = 3 l

ml = 30 l

300 ml =  l

ml = 0.3 l

Compare the measurements using <, > or =

5 kg  4,500 g

12 kg  12,000 g

3.7 km  370 m

37,000 m  3.7 km

$\frac{1}{1,000}$  m =  mm     $\frac{1}{100}$  m =  mm     $\frac{1}{10}$  m =  mm

$3\text{ l} + \frac{1}{4}\text{ l} =$   ml     $2\text{ l} +$   ml = 2,500 ml

### Arithmetic Practice

$343 \times 12 =$

$954 \div 9 =$

$\pounds 3.78 + \pounds 10.99 =$

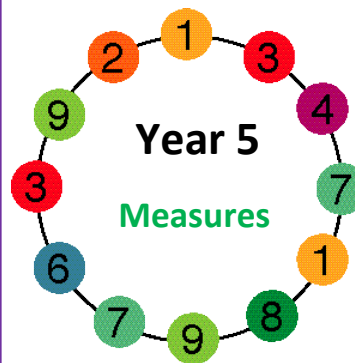
$14.51 - 9.75 =$



### Measurement Investigation

Measure in 'thumbs'! Use the width of the end of your thumb to measure things in your house. For example, a book could be 8 thumbs long. Find 10 objects and measure their length in this way.

Now come up with another measure, this could be the width of your hand. How many thumb-widths make up your hand? Can you now convert your measurement from 'thumbs' to 'hands'?



### Challenge linked to Home Learning Project

The distance between London and Nairobi in Kenya is 6800km. Can you calculate how many metres this is?

If I walked at an average speed of 5km per hour, how long would it take me to get there?

On the journey I drink 200ml of water every hour. In litres, how much water will I drink?

1l of water weighs 1kg. What will be the weight of all the water I will have to carry?

### Measurement Word Problems

A 10 pence coin is 2 mm thick.



Eva makes a pile of 10 pence coins worth  $\pounds 1.30$

What is the height of the pile of coins in centimetres?

Amir buys 2,500 grams of potatoes and 2,000 grams of carrots.



He pays with a  $\pounds 5$  note.  
How much change does he get?

### Games & Online Resources

<http://www.ictgames.com/mobilePage/mostlyPostie/>

<https://www.funbrain.com/games/measure-it>

<https://www.bbc.co.uk/teach/class-clips-video/maths-ks2-capacity-and-measure/z7gkqp3>