

# Year 1 Measures

This document outlines what Year 1 children are expected to know about **measurement**, with a particular focus on **length, weight and volume**. The children will initially measure the length/height, weight or volume of an object using non-standard units of measures, such as the length of a book in paper clips, or the weight of an apple in marbles. They will compare and describe various items, using the vocabulary *long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than, lighter than, full/empty, more than, less than, quarter*. They will eventually be introduced to our standardised units of measure and will have a go at measuring some objects in cms, grams, or millilitres.

## Activities & Games!

★ Find at least 5 different leaves (remember not to pick them!) Measure their length in centimetres (cm) using a ruler and put them in order of size. How many centimetres longer is the longest leaf compared to the shortest? Present your findings in any way you like (poster, booklet, picture etc.) If you don't have a ruler, measure them using something else you have around the house, such as hairclips or 1p coins.

★★★ Find an empty bucket. Can you predict how many cups of water it will take? What are your family's predictions? Now use a cup to find out whose prediction was the closest. Alternatively, take 5 different containers (e.g. water bottle, cup, bowl, glass, pan etc.). Can you predict which one will hold the most water? Which one will hold the least? Can you work out a way to test if your prediction is correct?

★★ Choose a recipe to make with a grown up. Can you help measure the ingredients? Talk about the different units of measurement e.g. grams, kilograms, millilitres etc.

★★★ Get a grown up to help you draw a long number line on a large piece of paper (see photo). Then take some toy cars and find (or make) a long cardboard tube. Now you can put the tube on a slant and see which car goes the furthest along your race track.



★★ Ask a grown up to find you lots of different objects, some light, others heavy. With your eyes closed (no peeking!), pick up one item at a time and organise them into 'heavy' and 'light' objects. If you want a really tricky challenge, maybe you could put them into order from heaviest to lightest.

★★ Make some playdough. Now use it to roll out worms (or snakes) of various different lengths. Decorate them too! Why not measure the weight of your worms as well?

## Going deeper...

If a red brick is double the size of a blue brick, which of these is longer?

*2 red bricks or 4 blue bricks?*

*3 red bricks or 7 blue bricks?*

Provide the children with bricks or strips of paper to help them reason with this.

How many ways can you find to put the bricks together so they are equal sizes? Do you notice a pattern?

## Maths



## Wonderful websites

[Measuring Lines](#)

[Measuring Capacity](#)