

Mathematics in Year 2

The National Curriculum is split into three main areas for mathematics. These are fluency, problem solving and reasoning. Every maths lesson will encompass all or part of these three main areas.

Key Objectives

These are not all the objectives children will cover during their time in Year 2, however these are considered the key objectives for the year.

Recognise the place value of each digit in a two-digit number (tens, ones).

Use place value and number facts to solve problems.

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers.

Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.

Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.

Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.

Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.

Find different combinations of coins that equal the same amounts of money.

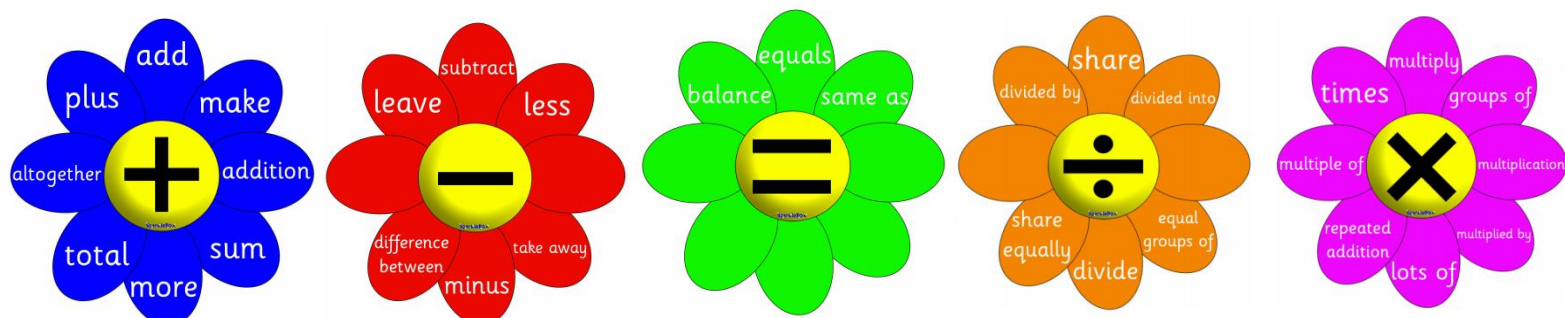
Tell and write the time to fifteen minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.

Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.

Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.

Key Vocabulary

Children are exposed to a range of vocabulary during maths lessons which we encourage you to use at home when completing maths activities.



How you can help at home!

- **Multiplication and division facts:**
 - Chant or recite times table facts and division facts whilst walking or driving to or from school.
- **Counting objects:**
 - Counting sweets or pennies and grouping them into 2, 5, and 10.
 - Divide objects between siblings, toys or adults.
 - Counting the number of stairs in your house.
 - Estimating and counting how many steps it takes to get from the kitchen to the front door.
- **Number walks:**
 - Look at the numbers on house doors.
 - Find numbers on the remote control.
 - Look at numbers and prices in the supermarket.
 - Allow children to count the change from the shop or find the correct coins to pay with.
- **Shapes:**
 - Use shapes to build pictures during play, whilst discussing their properties.
 - Look for 2D and 3D shapes in the environment.
 - Draw shape pictures.
 - Build different shapes with Lego and label or discuss their properties.
- **Measures:**
 - Feel objects and compare their weight.
 - Baking together.
 - Measuring how tall we are and seeing how much we grow.
 - Allow children time to use a ruler to measure themselves or their toys.
 - Using measuring jugs in the bath to build up knowledge of capacity.
 - Looking at the weight or capacity on food and drinks containers.
 - Watch the weather forecast and discuss the temperature.

We are always here to help. Please speak to your class teacher if you have any questions or queries on how you can support your child at home.

