

What Y2 will be learning in Autumn 1 in

# Mathematics

As mathematicians in **Number** we will be able to ...

- count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward.
- recognise the place value of each digit in a two-digit number (tens, ones).
- compare and order numbers from 0 up to 100; use  $<$ ,  $>$  and  $=$  signs.
- read and write numbers to at least 100 in numerals and in words.

As mathematicians in **Calculation** we will be able to ...

- use concrete objects and pictorial representations, including those involving numbers, quantities and measures
- add and subtract numbers using concrete objects
- show that addition can be done in any order (commutative) and subtraction cannot.
- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
- calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs.
- 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  $\frac{3}{4}$ .
- write simple fractions for example,  $\frac{1}{2}$  of 6 = 3 and recognise the equivalence of two quarters and one half.

As mathematicians in **Measurement** we will be able to ...

- choose and use appropriate standard units to estimate and measure length/ height in any direction; mass; temperature; volume and capacity to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels.
- compare and order lengths, mass, volume/capacity and record the results using  $>$ ,  $<$  and  $=$ .
- find different combinations of coins that equal the same amounts of money
- recognise and use the symbols for pounds and pence; combine amounts to make a particular value

As mathematicians in **Geometry** we will be able to ...

- use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise and anti-clockwise) and movement in a straight line.
- identify and describe the properties of 2D and 3D shapes, including symmetry in a vertical line
- To identify 2D shapes on the surface of 3D shapes, for example circle on a cylinder and a triangle on a pyramid.

**Star Words:** place value    tens    ones    add  
subtract    multiply    divide    more than    Dienes  
less than    equal to    arrays    clockwise    anti-clockwise