

## Year 6 Maths Targets

*A Year 6 Mathematician can....*

### **Number**

I can use negative number in context, and calculate intervals across 0
I can recall multiplication and division facts to 12 X 12
I can read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
I can round any whole number to a required degree of accuracy
I can use estimation to check answers and determine levels of accuracy
I can use a calculator effectively
I can identify common factors, common multiples and prime number
I can solve problems involving the relative sizes of two quantities where the missing values can be found using integer multiplication and division facts
I can use common factors to simplify fractions and use common multiples to express fractions in the same denomination
I can solve problems involving the calculation of percentages
I can multiply 1-digit numbers with up to 2 decimal places by whole numbers
I can perform mental calculations with large numbers
I can divide a 4-digit number by a 2-digit number using formal written methods
I can carry out calculations involving all four operations
I can divide up to 4-digits by a 2-sigit number using long division and interpret the remainder in different ways
I can add and subtract fractions with different denominators and mixed numbers
I can multiply simple pairs of proper fractions
I can divide proper fractions by whole numbers
I can express missing number problems algebraically
I can associate a fraction with division and calculate decimal fraction equivalents

### **Measurement and Geometry**

I can recognise, describe and build simple 3D shapes, including nets
I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any quadrilateral, triangle and regular polygon
I can illustrate and name parts of a circle, including radius, diameter and circumference and know that the radius is half the diameter
I can read, write and convert between standard units, converting measurements of mass, length, volume and time from a smaller unit to a larger unit
I can calculate the area of a parallelogram and triangles and calculate, estimate and compare volumes of cubes and cuboids using standard units
I can interpret and construct pie charts and line graphs and use these to solve problems
I can describe positions on the full coordinate grid (all four quadrants)