

## Year 5 Maths Targets

*A Year 5 Mathematician can....*

### **Number**

I can count forwards and backwards in steps of powers of 10 for any number up to 1, 000, 000
I can read, write order and compare numbers to at least 1 000 000 and determine the value of each digit
I can read Roman Numerals to 1000 and recognise years written in Roman Numerals
I can recognise and use thousandths, and relate them to tenths, hundredths and decimal equivalents
I can recognise mixed numbers and improper fractions and can convert one from another
I can read and write decimal numbers as fractions
I can recognise the % symbol and understand that per cent relates to a number of parts per hundred
I can write percentages as a fraction
I can compare and add fractions whose denominators are all multiples of the same number
I can multiply and divide numbers mentally drawing on known facts up to $12 \times 12$
I can round decimals with 2 decimal points to the nearest whole number and to 1 decimal point
I can recognise and use square numbers and cube numbers
I can recognise and write decimal equivalents of any number of tenths or hundredths
I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
I can multiply a 4-digit number by a 1 or 2-digit number using formal written methods
I can divide a 4-digit number by a 1-digit number
I can solve problems involving multiplication and division where large numbers are used by decomposing them into factors
I can add and subtract whole numbers with more than 4 digits, including using formal written methods
I can solve addition and subtraction multi-step problems
I can solve problems involving numbers up to 3 decimal places

### **Measurement and Geometry**

I know that angles are measured in degrees
I can plot specified points and draw sides to complete a given polygon
I can estimate and compare acute, obtuse and reflex angles
I can draw given angles and measure them in degrees
I can convert between different units of metric measures and estimate volume and capacity
I can measure and calculate the perimeter of composite rectilinear shapes in cm and m
I can calculate and compare the areas of squares and rectangles using standard units
I can solve comparison, sum and difference problems using information presented in a line graph