

**Maths - Year 5
(End of year expectations)**

Number	I can count forwards and backwards in steps of 1,000 and 100,000 from any number up to 1,000,000.
	I can recognise mixed numbers and improper fractions, converting from one to the other.
	I can read and write decimal numbers as fractions (eg. $0.47 = 47/100$).
	I can recognise the per cent symbol (%) understanding that per cent relates to number of parts per 100.
	I can write % as a fraction with denominator 100, and as a decimal fraction (eg. $28\% = 28/100 = 0.28$).
	I can add and subtract fractions with the same denominator; and express answers more than 1 as a mixed number.
	I can multiply proper fractions and mixed numbers by whole numbers up to 10, supported by materials and diagrams.
	I can compare and order fractions whose denominators are all multiples of the same number.
	I can mentally +/- tenths and mixed numbers with tenths.
	I can multiply and divide numbers mentally using known facts up to 12 X 12.
	I can round any number up to 1,000,000 to the nearest 100,000 10,000, 1000, 100 and 10.
	I can round decimals with 2 decimal places to the nearest whole number and to 1 decimal places [eg. $5.72 = 6$ (near whole no.) or 5.7 (1 decimal places)].
	I can recognise and use squared and cubed numbers and the correct notation - using the square root sign $\sqrt{\quad}$.
	I can multiply and divide whole numbers and those with decimals by 10, 100, and 1000.
	I can multiply numbers up to 4-digits by a 1-digit and 2-digit number using an efficient written method including long multiplication for 2-digit numbers.
	I can divide numbers up to 4-digits by a 1-digit number using short division written method.

**Maths - Year 5
(End of year expectations)**

Number	I can solve problems where larger numbers are used by decomposing them into their factors.
	I can mentally add and subtract any 2 and 3-digit numbers.
	I can add and subtract any 1000s number from any 5-digit number.
	I can read Roman numerals to 1000(M) and recognise years written in Roman numerals.
	I can identify multiples and be able to find all factor pairs.
	I can solve problems which require knowing percentage and decimal equivalents of $1/2$, $1/4$, $1/5$, $2/5$, $4/5$ and those with a denominator of a multiple of 10 or 25.
	I can solve addition and subtraction multi-step problems deciding which operation and method to use and explain why.
	I can solve problems involving 3 decimal places and problems with % and decimal equivalents.
Measurement, Geometry and Statistics	I can estimate, measure and draw given angles in degrees.
	I can estimate and compare acute, obtuse and reflex angles.
	I can convert metric to common imperial units and imperial to metric.
	I can estimate and measure 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 square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes.
	I can draw squares, rectangles and all triangles using given dimensions (to the nearest millimetre) and angles with a protractor.
	I can identify, describe and represent the position of a shape following a reflection or translation in all four quadrants, using the appropriate language, and know that the shape has not changed.
	I can solve comparison, sum and difference problems using information presented in line graphs.
	I can interpret information stored in a pie chart.