

Maths - Year 6
(End of year expectations)

Number	I can add and subtract using negative numbers and calculate intervals across zero.
	I can perform mental calculations, including with mixed operations and large numbers.
	I can solve problems which require answers to be rounded to specified degrees of accuracy.
	I can add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.
	I can multiply simple pairs of proper fractions writing the answer in its simplest form (e.g. $1/4 \times 1/2$) Divide proper fractions by whole numbers (e.g. $1/3 \div 2 = 1/6$).
	I can solve problems involving calculating a % (eg. 20% of 440).
	I can multiply 1-digit numbers with up to 2 decimal places by whole numbers.
	I can perform mental calculations including mixed operations with large numbers.
	I can divide numbers up to 4-digits by a 2-digit whole number up to 20 using the efficient written method and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.
	I can use my knowledge of the order of operations to carry out calculations involving the 4 operations.
	I can add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.
	I can multiply simple pairs of proper fractions writing the answer in its simplest form (e.g. $1/4 \times 1/2$).
	I can solve problems involving unequal sharing and grouping e.g. $3/5$ of the class are boys etc.
	I can solve problems involving similar shapes where the scale factor is known or can be found.
	I can solve simple ratio and proportion problems.

Maths - Year 6
(End of year expectations)

Number	I can reduce a given ratio to its lowest terms.
	I can find pairs of numbers that satisfy number sentences involving two unknowns (e.g. what is $2a+3b$ if $a=2$ and $b=3$).
Measurement, Geometry and Statistics	I can recognise, describe and build 3D shapes to create nets.
	I can classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.
	I can draw and name parts of a circle, including radius, diameter and circumference, knowing that the radius is half the diameter.
	I can use, read and write standard units of measurement.
	I can convert between standard units, converting measurement of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to 3 decimal places. (e.g. $123\text{cm} = 1.23\text{m}$ or $1.245\text{km} = 1245\text{m}$).
	I can calculate the area of parallelograms and triangles and be able to use the correct formulae.
	I can calculate the volume of cubes and cuboids using cm^3 / m^3 - extending to other units, such as mm^3 and km^3 .
	I can find unknown angles where they meet at a point and are on a straight line and are vertically opposite.
	I can find missing angles in a parallelogram, rhombus and trapezium by working out diagonally opposite angles.
	I can interpret and construct pie charts and use these to solve problems using my knowledge of angles, fractions and percentages.
	I can interpret and construct line graphs and use these to solve problems.