

<b>Mathematics</b>	<b>Year 5</b>	<b>Year 6</b>
Number – number and place value	To read, write and understand the value of numbers up to 1,000,000 including Roman numerals to 1,000	To read, write and understand the value of numbers up to 10,000,000
Number – addition and subtraction	To add and subtract whole numbers with more than 4 digits using column addition and subtraction	To add and subtract whole numbers with more than 4 digits using column addition and subtraction
Number – multiplication and division	To multiply numbers up to 4 digits by a 1 or 2 digit whole number using an efficient method  To divide numbers up to 4 digits by a 1 digit whole number using the efficient written method of short division	To multiply and divide numbers up to 4 digits by a 2 digit whole number using the efficient written method of long multiplication and long division
Number – fractions, decimals and percentages	To add and subtract fractions with the same denomination, eg $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$  To write percentages as a fraction with denominator hundred and as a decimal fraction, eg $10\% = \frac{10}{100} = 0.1$	To add and subtract fractions, eg $\frac{3}{10} + \frac{2}{5} = \frac{7}{10}$  To multiply and divide fractions, eg $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ $\frac{1}{3} \div 2 = \frac{1}{6}$  To solve problems and calculate percentages of whole numbers or measures, eg 15% of 360  To recall and use equivalences between fractions, decimals and percentages, eg $\frac{4}{20} = \frac{32}{100} = 32\% = 0.32$
Algebra		To use and understand simple formulae expressed in words

Measures	To use and apply measures of length, mass, volume and time to increasingly complex contexts	To use and apply measures of length, mass, volume and time to increasingly complex contexts
Geometry – properties of shapes	To estimate, measure and draw a given angle or shape with given dimensions and angles	To find unknown angles in triangles, quadrilaterals and regular polygons
Geometry - Position, Direction and Motion	To identify, describe and represent the position of a point/shape in in the first quadrant	To identify, describe and represent the position of a point/shape in all 4 quadrants
Data	To complete, read and interpret information in tables including timetables	To interpret and construct a range of graphs and charts, eg line graph and pie charts