

<b>Mathematics</b>	<b>Year 3</b>	<b>Year 4</b>
Number – number and place value	To read, write and understand the value of numbers up to 1,000	To read, write and understand the value of numbers up to 1,000 including Roman numerals to 100
Number – addition and subtraction	To add and subtract numbers with up to 3 digits, using the efficient written methods of column addition and subtraction	To add and subtract whole numbers with up to 4 digits using the efficient written method of column addition and subtraction
Number – multiplication and division	To multiply 2 digit numbers by a 1 digit number, using mental and progressing to an efficient written method  To recall and use division facts to derive related facts, eg $6 \div 3 = 2$ so $60 \div 3 = 20$	To multiply 2 digit and 3 digit numbers by a 1 digit number using a formal written layout  To divide 2 digit numbers by a 1 digit number using short division
Number – fractions, decimals and percentages	To recognise and write fractions with small denominators of a set of objects	To identify and write equivalent fractions of a given fraction, including tenths and hundredths, eg $\frac{4}{10} = \frac{40}{100}$  To recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ including decimal equivalents of any number of tenths and hundredths
Measures	To measure, compare, add and subtract units of measure of length, mass and capacity  To tell and write the time from an analogue clock, including 12 hour and 24 hour clocks	To convert between different units of measure of length, mass, capacity and time, eg hours to minutes etc

Geometry – properties of shapes	To identify and describe 2-d and 3-d shapes with increasing accuracy	To compare and classify geometric shapes, including quadrilaterals and triangles based on their properties
Geometry - Position, Direction and Motion	To recognise that 2 right angles make a half turn, 3 a three quarter turn and 4 a complete turn	To describe positions on a 2-d grid as coordinates in the first quadrant
Data	To interpret and present data using bar charts, pictograms and tables	To interpret and present data using bar charts and line graphs