

## Year 5

Weeks	Autumn Term
1 - 3	<p><b>Place Value</b></p> <p>Reading, writing, ordering and comparing numbers up to 1,000,000, recognising the value of each digit</p> <p>Counting forwards and backwards in steps of powers of 10</p> <p>Counting through 0 into negative numbers</p> <p>Rounding to the nearest 10, 100, 1,000, 10,000 and 100,000</p> <p>Reading and writing Roman numerals to 1000 and dates</p>
4 - 5	<p><b>Addition and Subtraction</b></p> <p>Using the column method add and subtract numbers with more than four digits</p> <p>Adding and subtracting mentally</p> <p>Using rounding to check the plausibility of answers</p> <p>Select operations when solving multi-step problems</p>
6 - 7	<p><b>Statistics</b></p> <p>Reading information in line graphs to solve comparison, sum and difference problems</p> <p>Complete. Read and interpret information in tables, including timetables.</p>
8 - 9	<p><b>Multiplication and Division</b></p> <p>Identifying multiples and factors, including factor pairs and common factors</p> <p>Understanding and use the language of prime numbers, prime factor and composite numbers</p> <p>Multiplying and divide mentally using number facts</p> <p>Use short division to divide numbers of up to four digits</p> <p>Multiply and divide whole numbers and decimals by 10, 100 and 1000</p> <p>Using square and cube numbers</p> <p>Applying knowledge to problem solving</p>
10 - 11	<p><b>Perimeter and Area</b></p> <p>Measuring and calculating the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>Calculating and compare area of rectangles</p> <p>Estimating area of irregular shapes</p> <p>Solve problems involving measure</p>
12	<p><b>Time</b></p> <p>Reading timetables and calculating time intervals</p> <p>Solve problems converting between units of time</p>
	Spring Term
1 - 3	<p><b>Multiplication and Division</b></p> <p>Identifying multiples and factors, including factor pairs and common factors</p> <p>Understanding and use the language of prime numbers, prime factor and composite numbers</p> <p>Multiplying and divide mentally using number facts</p> <p>Use short division to divide numbers of up to four digits</p> <p>Multiply and divide whole numbers and decimals by 10, 100 and 1000</p> <p>Using square and cube numbers</p> <p>Applying knowledge to problem solving</p>
4 - 9	<p><b>Fractions</b></p> <p>Comparing and ordering fractions with denominators that have common factors</p> <p>Calculating equivalent fractions</p> <p>Converting between mixed numbers and improper fractions</p> <p>Adding and subtracting fractions with the same denominator and denominators that are multiples of the same number</p> <p>Using diagrams to multiply fraction and mixed numbers by whole numbers</p>

10 - 11	<p><b>Decimals and Percentages</b></p> <p>Reading and writing decimal numbers as fractions  Recognising and use tenths, hundredths and thousands and relate them to fractions  Rounding  Comparing and order numbers with up to 3 decimal places  Recognising the per cent symbol, understanding that per cents relate to the number of parts per hundred  Write percentages as fractions and decimals</p>
12	<p><b>Time</b></p> <p>Reading timetables and calculating time intervals  Solve problems converting between units of time</p>
	<b>Summer Term</b>
1 - 4	<p><b>Decimals</b></p> <p>Reading and writing decimal numbers as fractions  Recognising and use tenths, hundredths and thousands and relate them to fractions  Rounding  Comparing and order numbers with up to 3 decimal places  Recognising the per cent symbol, understanding that per cents relate to the number of parts per hundred  Write percentages as fractions and decimals</p>
5 - 7	<p><b>Geometry</b></p> <p>Identifying 3-D shapes from 2-D representations  Measuring, estimating and comparing acute, obtuse and reflex angles  Drawing and measuring angles in degrees  Identifying whole turns, half turns and <math>\frac{3}{4}</math>  Finding missing lengths and angles in rectangles  Distinguishing between regular and irregular polygons</p>
8	<p><b>Position and Direction</b></p> <p>Reflection  Translation</p>
9 - 10	<p><b>Measurement</b></p> <p>Converting between units  Understanding approximate equivalences between metric and imperial units</p>
11	<p><b>Volume</b></p> <p>Estimating and measuring volume and capacity</p>
12	<b>Consolidation</b>