



## Year 5 Autumn Curriculum Goals – Maths

<p>Number (Place Value): I can read, write, order and compare numbers to at least 1000000 and determine the value of each digit.</p>
<p>Number (Place Value): I can count forwards or backwards in steps of powers of 10 for any given number up to 1000000.</p>
<p>Number (Place Value): I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.</p>
<p>Number (Place Value): I can round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000</p>
<p>Number (Place Value): I can solve number problems and practical problems that involve all of the above.</p>
<p>Number (Place Value): I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals.</p>
<p>Number (Addition and Subtraction): I can add and subtract numbers mentally with increasingly large numbers.</p>
<p>Number (Addition and Subtraction): I can add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</p>
<p>Number (Addition and Subtraction): I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>
<p>Number (Multiplication and Division): I can multiply and divide numbers mentally drawing upon known facts.</p>
<p>Number (Multiplication and Division): I can multiply and divide whole numbers by 10, 100 and 1000.</p>
<p>Number (Multiplication and Division): I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Recognise and use square numbers and cube numbers and the notation for squared (<sup>2</sup>) and cubed (<sup>3</sup>)</p>
<p>Number (Multiplication and Division): I can solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</p>
<p>Number (Multiplication and Division): I now and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</p>
<p>Number (Multiplication and Division): I can establish whether a number up to 100 is prime and recall prime numbers up to 19</p>

Number (Statistics):

I can solve comparison, sum and difference problems using information presented in a line graph.

Number (Statistics):

I can complete, read and interpret information in tables including timetables.

Measurement (Perimeter and Area):

I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.

Measurement (Perimeter and Area):

I can calculate and compare the area of rectangles (including squares), and including using standard units,  $\text{cm}^2$ ,  $\text{m}^2$  estimate the area of irregular shapes.