

Y5 Mathematics Curriculum

<u>A: Number and Place Value</u>	<u>B: Number – addition and subtraction</u>	<u>C: Number – Multiplication and Division</u>	<u>D: Fractions, decimals and percentages</u>
<p>1: I can read, write, order and compare numbers up to 1,000,000.</p> <p>2: I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000</p> <p>3: I can determine the value of each digit in numbers up to 1,000,000</p> <p>4: I can interpret negative numbers in context and count forwards and backwards with positive and negative numbers.</p> <p>5: I can round any whole number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000.</p> <p>6: I can read roman numerals to 1000 (M) and recognise years.</p> <p>7: I can solve number and practical problems using all number properties and place value.</p>	<p>1: I can add numbers with 4 digits or more using a formal written method.</p> <p>2: I can subtract numbers with 4 digits or more using a formal written method.</p> <p>2: I can add and subtract numbers mentally with increasingly large numbers.</p> <p>3: I can use rounding to check the accuracy of an answer.</p> <p>4: I can solve multi-step problems in contexts involving addition and subtraction.</p>	<p>1: I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.</p> <p>2: I can use the following vocabulary: prime, prime factor and composite numbers.</p> <p>3: I can identify if a number is a prime number up to 100 and can recall prime numbers to 19.</p> <p>4: I can recognise and use square and cube numbers and the notation for them.</p> <p>5: I can multiply and divide numbers mentally using known facts.</p> <p>6: I can multiply and divide whole and decimal numbers by 10, 100 and 1000.</p> <p>7: I can multiply a number up to four digits by a one digit number using a formal written method.</p> <p>8: I can multiply a number up to four digits by a two digit number using formal long multiplication.</p> <p>9: I can divide a four digit number by a one digit number using short division and interpret remainders appropriately.</p> <p>10: I can solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes</p> <p>11: I can solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the equals sign.</p> <p>12: I can solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.</p>	<p>1: I can compare and order fractions whose denominators are all multiples of the same number</p> <p>2: I can identify equivalent fractions, represented visually, including tenths and hundredths.</p> <p>3: I can recognise and convert mixed numbers and improper fractions and can write mathematical statements >1 as a mixed number</p> <p>4: I can add and subtract fractions with multiples of the same denominator and denominators that are multiples of the same number</p> <p>5: I can multiply fractions and mixed numbers by whole numbers supported by equipment and visual aids.</p> <p>6: I can read and write decimal numbers as fractions.</p> <p>7: I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</p> <p>8: I can round decimals with two decimal places to the nearest whole number and to 1 decimal place</p> <p>9: I can read, write and order numbers with up to three decimal places.</p> <p>10: I can solve problems involving numbers with up to three decimal places.</p> <p>11: I can recognise the percent symbol and understand that it relates to number of parts per hundred; I can write percentages as a fraction of 100 and as a decimal.</p> <p>12: I can solve problems where I need to know percentage, fraction and decimal equivalents of $\frac{1}{2}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{4}{5}$ and those with a denominator of 25 or a multiple of 10.</p>
<p><u>E: Measurement</u></p> <p>1. I can convert between different metric units of measure.</p> <p>2. I can use the equivalences between metric and common imperial units.</p> <p>3. I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>4. I can calculate and compare the area of rectangles and squares using standard units and estimate the area of irregular shapes.</p> <p>5. I can estimate the volume and capacity of objects.</p> <p>6. I can solve problems that involve converting between units of time.</p> <p>7. I can use all four operations to solve problems involving measure including decimal notation including scaling.</p>	<p><u>F: Geometry – properties of shapes</u></p> <p>1. I can identify 3D shapes from 2D drawings.</p> <p>2. I know angles are measured in degrees and can estimate and compare acute, obtuse and reflex angles.</p> <p>3. I can draw a given angle and measure it in degrees.</p> <p>4. I can identify angles at a point, one whole turn, on a straight line, and in multiples of 90 degrees.</p> <p>5. I can use the properties of rectangles to find missing lengths and angles.</p> <p>6. I can describe the position of a shape after a reflection or a translation on the co-ordinate grid.</p> <p>7. I can compare regular and irregular polygons based on reasoning about equal sides and angles.</p>	<p><u>G: Geometry – position and direction</u></p> <p>1. I can identify, describe and represent the position of a shapes after a reflection or translation.</p>	<p><u>H: Statistics</u></p> <p>1. I can solve problems using information in a line graph.</p> <p>2. I can read and interpret information in tables including timetables.</p>