

Year 4 Fundamentals of Mathematics	
<p>Number</p> <p>Place value</p> <p>+ - X ÷</p> <p>Fractions/ Decimals/ Percentages</p> <p>Algebra/Ratio/ Proportion</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid blue; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Place value</p> <p>* Reads, writes, orders, compares up to 10,000. (knowing value of each digit)</p> <p>* Rounds to nearest 10, 100, 1000 & decimals (1dp) to nearest whole.</p> </div> <div style="border: 2px solid cyan; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">±</p> <p>* + - up to 10,000 with regrouping (using column method).</p> <p>* + - nearest multiple of 10, 100 or 1000 and adjust.</p> </div> <div style="border: 2px solid purple; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">X ÷</p> <p>* Recalls X ÷ facts to 12x12 (including X ÷ by 1 & 0 and X 3 numbers together).</p> <p>* Uses short X ÷ methods.</p> </div> <div style="border: 2px solid darkblue; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">FDP</p> <p>* Recognises and shows common equivalent fractions. (inc common decimal equivalences).</p> <p>* + - fractions with the same denominator.</p> </div> <div style="border: 2px solid purple; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Counting (forwards and backwards)</p> <p>* Counts in 6, 7, 9, 25 and 1000 forwards & backwards (including negative numbers).</p> <p>* Counts in 100ths recognising hundredths arise when dividing by 100.</p> </div> </div>
<p>Shape/space/ measure</p> <p>Measure</p> <p>Time/Money</p> <p>Shape</p> <p>Position/Direction</p> <p>Statistics</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid lightgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Measurement</p> <p>* Converts between different units of measure e.g. mm to cm to m to km, ml to l, g to kg, hours to mins.</p> </div> <div style="border: 2px solid green; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Time</p> <p>* Reads, writes and converts time between analogue and digital 12 and 24 hr clocks.</p> </div> <div style="border: 2px solid green; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Geometry- Shape</p> <p>* Compares and classifies shapes based on their properties, including identifying lines of symmetry and comparing angles.</p> </div> <div style="border: 2px solid lightgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Statistics</p> <p>* Solves comparison, sum and difference problems using info. presented in bar charts, pictograms, tables and other graphs.</p> </div> <div style="border: 2px solid darkgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Position & Direction</p> <p>* Describes movements between positions as translations and plots polygons using coordinates given.</p> </div> </div>
<p>Being a mathematician</p>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Reasoning</p> <p>* Describes, convinces & justifies decisions following lines of enquiry & generalising.</p> </div> <div style="border: 2px solid yellow; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Problem solving</p> <p>* Works systematically & spot patterns by visualising & making conjectures.</p> </div> <div style="border: 2px solid yellowgreen; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Fluency</p> <p>* Works efficiently and accurately.</p> </div> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Communication</p> <p>* Makes their mathematical thinking clear to themselves and others.</p> </div> <div style="border: 2px solid orange; border-radius: 50%; padding: 10px; width: 45%;"> <p style="text-align: center;">Reflection</p> <p>* Uses own and suggested strategies to make corrections and improvements.</p> </div> </div>