


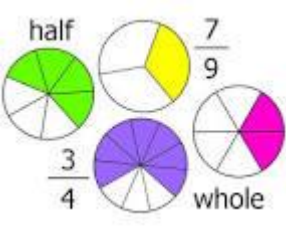








## Year 2 Maths Curriculum - Overview of Objectives

Unit		Objectives
<p style="text-align: center;"><b><u>Unit 1</u></b></p> <p style="text-align: center;"><b>To know and use numbers</b></p> 	<b>1A</b>	Count in steps of 2, 3 and 5 from 0.
	<b>1B</b>	Count in tens from any number, forwards and backwards.
	<b>1C</b>	Recognise the place value of each digit in a two digit number. (tens and ones) Extend to three digits.
	<b>1D</b>	Identify, represent and estimate numbers, using different representations, including the number line.
	<b>1E</b>	Compare and order numbers from 0 up to 100; use the < > and = signs.
	<b>1F</b>	Read and write numbers up to 100 in numerals and in words.
	<b>1G</b>	Use place value and number facts to solve problems.
	<b>1H</b>	Round two digit numbers to the nearest 10.
<p style="text-align: center;"><b><u>Unit 2</u></b></p> <p style="text-align: center;"><b>To add and subtract</b></p> 	<b>2A</b>	Solve problems involving addition and subtraction: <ul style="list-style-type: none"> <li>• Using concrete objects and pictorial representations, including those involving numbers, quantities and measures.</li> <li>• Applying their increasing knowledge of mental and written methods.</li> </ul>
	<b>2B</b>	Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.
	<b>2C</b>	Add and subtract numbers using concrete objects, pictorial representations, and mentally including: <ul style="list-style-type: none"> <li>• A two digit number and ones.</li> <li>• A two digit number and tens.</li> <li>• Two two digit digit numbers.</li> <li>• Addition of three one digit numbers.</li> </ul>
	<b>2D</b>	Show that addition of two digit numbers can be done in any order (commutative) and subtraction of one number from another cannot.
	<b>2E</b>	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
<p style="text-align: center;"><b><u>Unit 3</u></b></p> <p style="text-align: center;"><b>To multiply and divide</b></p> 	<b>3A</b>	Recall and use multiplication facts and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.
	<b>3B</b>	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x) and division (÷) and equals (=) sign.
	<b>3C</b>	Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

	<p><b>3D</b> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.</p>
	<p><b>3E</b> Understand that halving is the inverse of doubling and derive and recall doubles of all numbers to 20, and the corresponding halves.</p>
<p><b>Unit 4</b></p> <p><b>To use fractions</b></p> 	<p><b>4A</b> Recognise, find, name and write fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity.</p>
	<p><b>4B</b> Write simple fractions, for example <math>\frac{1}{2}</math> of <math>6 = 3</math> and recognise the equivalence of two quarters and one half.</p>
<p><b>Unit 5</b></p> <p><b>To use measures</b></p> 	<p><b>5A</b> Choose and use appropriate standard units to estimate and measure length/height (m/cm); mass (kg/g); temperature (degrees celcius); capacity (l/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.</p>
	<p><b>5B</b> Compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math>.</p>
	<p><b>5C</b> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</p>
	<p><b>5D</b> Find different combinations of coins that equal the same amounts of money.</p>
	<p><b>5E</b> Solve simple problems involving addition and subtraction of money of the same unit, including giving change.</p>
	<p><b>5F</b> Compare and sequence intervals of time.</p>
	<p><b>5G</b> Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p>
	<p><b>5H</b> Know the number of minutes in an hour and the number of hours in a day.</p>
<p><b>Unit 6</b></p> <p><b>To understand the properties of shapes</b></p> 	<p><b>6A</b> Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.</p>
	<p><b>6B</b> Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.</p>
	<p><b>6C</b> Identify 2D shapes on the surface of 3D shapes, for example a circle on a cylinder and a triangle on a pyramid.</p>
	<p><b>6D</b> Compare and sort common 2D and 3D shapes and everyday objects.</p>

<p style="text-align: center;"><b><u>Unit 7</u></b></p> <p style="text-align: center;"><b>To describe position, direction and movement</b></p> 	<p><b>7A</b></p>	<p>Order and arrange combinations of mathematical objects in patterns and sequences.</p>
	<p><b>7B</b></p>	<p>Use mathematical vocabulary to describe position, direction and movement, including movements in a straight line and distinguishing between rotation as a turn in terms of right angles for quarter, half and three quarter turns (clockwise and anti-clockwise) and movement in a straight line.</p>
<p style="text-align: center;"><b><u>Unit 8</u></b></p> <p style="text-align: center;"><b>To use statistics</b></p> 	<p><b>8A</b></p>	<p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p>
	<p><b>8B</b></p>	<p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p>
	<p><b>8C</b></p>	<p>Ask and answer questions about totalling and comparing categorical data.</p>