

# Year 1

Unit	Days	Topic	Objectives	Notes and guidance
1	8	Number and Place Value (including counting)	<ul style="list-style-type: none"> <li>count to and across 100 (20) forwards and backwards, beginning with 0 or 1, or from any given number</li> <li>given a number, identify one more and one less</li> <li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li> </ul>	<p>Pupils practise counting (1, 2, 3), ordering (e.g. first, second, third), and to indicate a quantity (e.g. 3 apples, 2 centimetres), including solving simple concrete problems, until they are fluent.</p> <p>Pupils begin to recognise place value in numbers beyond 20 by reading, writing, counting and comparing numbers up to 100, supported by objects and pictorial representations.</p> <p>They practise counting as reciting numbers and counting as enumerating objects, and counting in twos, fives and tens from different multiples to develop their recognition of patterns in the number system (e.g. odd and even numbers), including varied and frequent practice through increasingly complex questions.</p> <p>They recognise and create repeating patterns with objects and with shapes.</p>
2-3	10	Addition and Subtraction	<ul style="list-style-type: none"> <li>represent and use number bonds and related subtraction facts within 20 (to 10)</li> <li>add and subtract one-digit and two-digit numbers to 20, including zero</li> </ul>	<p>Pupils combine and increase numbers, counting forwards and backwards.</p> <p>They discuss and solve problems in familiar practical contexts, including using quantities. Problems should include the terms put together, add, altogether, total, take away, distance between, difference between, more than and less than, so that pupils develop the concept of addition and subtraction and are enabled to use these operations flexibly.</p>
Assess and Review Tasks (2 days)				
4	5	Measurement (Time)	<ul style="list-style-type: none"> <li>compare, describe and solve practical problems for time [quicker, slower, earlier, later]</li> <li>measure and begin to record the following time [hours, minutes, seconds]</li> <li>sequence events in chronological order using language [such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li> <li>recognise and use language relating to dates, including days of the week, weeks, months and years</li> <li>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</li> </ul>	<p>Pupils use the language of time, including telling the time throughout the day, first using o'clock and then half past.</p>
5	5	Geometry (Properties of Shapes)  & Statistics (Data Handling) From Year 2	<ul style="list-style-type: none"> <li>recognise and name common 2-D and 3-D shapes, including:                             <ul style="list-style-type: none"> <li>2-D shapes [e.g. rectangles (including squares), circles and triangles]</li> <li>3-D shapes [e.g. cuboids (including cubes), pyramids and spheres]</li> </ul> </li> <li>Pupils record, interpret, collate, organise and compare information</li> </ul>	<p>Pupils handle common 2-D and 3-D shapes, naming these and related everyday objects fluently. They recognise these shapes in different orientations and sizes, and know that rectangles, triangles, cuboids and pyramids are not always similar to each other.</p>
Assess and Review Tasks (2 days)				
6	5	Addition and Subtraction (including money)	<ul style="list-style-type: none"> <li>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = [] - 9</math>.</li> <li>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>recognise and know the value of different denominations of coins and notes</li> </ul>	<p>They discuss and solve problems in familiar practical contexts, including using quantities. Problems should include the terms put together, add, altogether, total, take away, distance between, difference between, more than and less than, so that pupils develop the concept of addition and subtraction and are enabled to use these operations flexibly.</p>
7-8	10	Measurement	<ul style="list-style-type: none"> <li>compare, describe and solve practical problems for:                             <ul style="list-style-type: none"> <li>lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half]</li> <li>mass or weight [e.g. heavy/light, heavier than, lighter than]</li> <li>capacity/volume [full/empty, more than, less than, quarter]</li> </ul> </li> <li>measure and begin to record the following:                             <ul style="list-style-type: none"> <li>lengths and heights</li> <li>mass/weight</li> <li>capacity and volume</li> </ul> </li> </ul>	<p>The pairs of terms: mass and weight, volume and capacity, are used interchangeably at this stage.</p> <p>Pupils [<i>use</i>] move from using and comparing different types of quantities and measures using non-standard units, including discrete (e.g. counting) and continuous (e.g. liquid) measurement, to using manageable common standard units.</p> <p>In order to become familiar with standard measures, pupils begin to use measuring tools such as a ruler, weighing scales and containers.</p>
Assess and Review Tasks (2 days)				
9-10	10	Multiplication and Division  Fractions	<ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> <li>recognise, find and name a half as one of two equal parts of an object, shape or quantity</li> <li>recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</li> </ul>	<p>Through grouping and sharing small quantities, pupils begin to understand: multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities.</p> <p>They make connections between arrays, number patterns, and counting in twos, fives and tens.</p> <p>Pupils are taught half and quarter as 'fractions of' discrete and continuous quantities by solving problems using shapes, objects and quantities. For example, they could recognise and find half a length, quantity, set of objects or shape. Pupils connect halves and quarters to the equal sharing and grouping of sets of objects and to measures, as well as recognising and combining halves and quarters as parts of a whole.</p>
11	5	Geometry (Position and Direction)	<ul style="list-style-type: none"> <li>describe position, directions and movements, including whole, half, quarter and three-quarter turns.</li> </ul>	<p>They use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside.</p> <p>Pupils make whole, half, quarter and three-quarter turns in both directions and connect turning clockwise with movement on a clock face.</p>
12	5	Consolidation of ...		
Assess and Review Tasks (3-4 days)				