



**Number - Number & Place Value**

Pupils will be able to:

- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- recognise the place value of each digit in a two-digit number (tens, ones)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use <, > and = signs
- read and write numbers to 20 in numerals and words
- read and write numbers to at least 100 in numerals and in words use place value and number facts to solve problems.

**Geometry - Shape**

Pupils will be able to:

- identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
- compare and sort common 2-D and 3-D shapes and everyday objects.

Week 1 09.09.24	Week 2 16.09.24	Week 3 23.09.24	Week 4 30.09.24	Week 5 07.10.24	Week 6 14.10.24	Week 7 21.10.24
<p><b>Y1 Pre-Learning Challenge-Place Value</b> x2 days</p> <ul style="list-style-type: none"> <li>• Make numbers to 20 x2 days</li> </ul>	<ul style="list-style-type: none"> <li>• Count objects to 100 by making 10s</li> <li>• Use a place value chart</li> <li>• Partition numbers to 100</li> <li>• Write numbers to 100 in words</li> <li>• Partition numbers in different ways to 100</li> <li>• Write numbers to 100 in expanded form</li> </ul>	<ul style="list-style-type: none"> <li>• 10s on number line to 100</li> <li>• 10s and 1s on number line to 100</li> <li>• Estimate numbers on a number line</li> <li>• Compare objects</li> </ul>	<ul style="list-style-type: none"> <li>• Compare numbers</li> <li>• Order objects and Numbers</li> <li>• Count in 2s, 5s and 10s</li> </ul> <p><b>Y2 Post Learning Challenge-Place Value</b></p>	<p><b>Y1 Pre-Learning Challenge-Geometry</b></p> <ul style="list-style-type: none"> <li>• Recognise 2-D and 3-D shapes</li> <li>• Count sides on 2-D shapes</li> <li>• Count vertices on 2-D shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Lines of symmetry</li> <li>• Use lines of symmetry to complete shapes</li> <li>• Sort 2-D shapes</li> <li>• Count faces on 3-D shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Count edges on 3-D shapes</li> <li>• Count vertices on 3D shapes</li> <li>• Sort 3-D shapes</li> <li>• Make patterns with 2-D 3-D shapes</li> </ul> <p><b>Y2 Post Learning Challenge-Geometry</b></p>
<p><b>Discrete Problem Solving</b> Find possibilities NRICH-Three Ball Line up <b>Reasoning</b> Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.</p>	<p><b>Discrete Problem Solving</b> Find possibilities <b>Reasoning</b> Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.</p>	<p><b>Discrete Problem Solving</b> <b>Discrete Problem Solving</b> Find possibilities <b>Reasoning</b> Explain with reasons and beginning to use given sentence stems and connectives to expand. Listen to others' explanations, make sense of them and compare and evaluate.</p>	<p><b>Outdoor Fun Activity</b> <b>Halloween Theme</b></p>	<p><b>Discrete Problem Solving</b> Pattern spot and predict what will come next in a pattern/sequence (numbers, shapes, spatial). <b>Reasoning</b> Investigate 'what if?' questions.</p>	<p><b>Discrete Problem Solving</b> Pattern spot and predict what will come next in a pattern/sequence (numbers, shapes, spatial). <b>Reasoning</b> Investigate 'what if?' questions.</p>	<p><b>Board Games</b></p>

<p><b>Mastering Numbers Week 1:</b></p> <ul style="list-style-type: none"> <li>recap the composition of 6, 7, 8 and 9 as '5 and a bit'</li> <li>identify the missing part of 6, 7, 8 and 9 if 5 is a part.</li> <li>compose 6, 7, 8 and 9 as '5 and a bit'</li> <li>compare different representations of the numbers 6-9.</li> <li>conceptually subitise 6, 7, 8 and 9</li> <li>solve missing addend questions where 5 is a known addend.</li> <li>practise (if necessary) making the numbers 6, 7, 8 and 9 with 5 as a part apply the composition of 6-9 to missing addend/sum questions.</li> </ul>	<p><b>Mastering Numbers Week 2:</b></p> <ul style="list-style-type: none"> <li>recap the language of comparison using 'more than' and 'fewer than'</li> <li>compare numbers and use the language of 'more than' and 'fewer than'.</li> <li>compare numbers within 10</li> <li>compare numbers and use the language of 'more than', 'fewer than', 'equal to'</li> <li>compare numbers within 10 and use the language of 'greater than' and 'less than'</li> <li>read expressions using the inequality symbols (&lt; &gt;).</li> <li>identify whether inequalities are true or false with reference to a number line interpret and represent inequalities such as <math>7 &lt; 5 + 1</math> on the rekenrek.</li> </ul>	<p><b>Mastering Numbers Week 3:</b></p> <ul style="list-style-type: none"> <li>recap that doubles are composed by combining 2 equal groups and are even numbers</li> <li>make doubles arrangements on a 10-frame.</li> <li>recap that even numbers can be made with doubles</li> <li>practise recalling doubles within 10</li> <li>write addition equations for doubles.</li> <li>recap the 'shape' of odd and even numbers</li> <li>sort odd and even numbers within 10 identify that even numbers CAN be composed of 2 odd parts.</li> </ul>	<p><b>Mastering Numbers Week 4:</b></p> <ul style="list-style-type: none"> <li>recap how 6 can be arranged in a 2-by-3 pattern</li> <li>recap the position of 6 on a 0 to 10 number line</li> <li>experience different arrangements of 6 and identify arrangements</li> <li>recap bonds of 6 shown in a 2-by-3 array</li> <li>identify the missing part of 6 in a part-part-whole diagram.</li> <li>make 6 on 2 rows of the rekenrek and reason about ways to make 6</li> <li>complete missing number equations for 6.</li> <li>identify missing parts of 6 and make 6 on a rekenrek</li> <li>identify missing symbols in equations and inequalities.</li> </ul>	<p><b>Mastering Numbers Week 5:</b></p> <ul style="list-style-type: none"> <li>recap the position of 8 in the linear number system work systematically to find all the ways in which 8 can be composed</li> <li>identify that 8 can be composed of 2 odd parts or 2 even parts because it is an even number.</li> <li>recap that 8 can be composed of 2 odd parts or 2 even parts because it is an even number</li> <li>sort expressions for 8 according to odd and even addends.</li> <li>recap that 8 can be composed of double 4 or 5 and 3</li> <li>identify 'how many more to make 8'.</li> <li>reason about bonds of 8 complete missing number equations in which 8 is the total.</li> </ul>	<p><b>Mastering Numbers Week 6:</b></p> <ul style="list-style-type: none"> <li>identify bonds of 10 on a 10-frame</li> <li>record expressions for 10, identifying odd and even pairs of addends.</li> <li>recap bonds of 10</li> <li>identify whether bonds of 10 are composed of odd or even numbers</li> <li>complete part-part-whole diagrams in which the whole is 10.</li> <li>identify bonds of 10 on their fingers</li> <li>reason about bonds of 10 using a rekenrek.</li> <li>reason about bonds of 10</li> <li>complete related addition and subtraction equations.</li> </ul>	
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