



Year Group	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>Representation and Structure</b></p> <p>This document is a guideline to how the representations and structure we use when teaching and modelling Maths skills can remain consistent as children progress through the school. The importance of this is for children build familiarity and confidence with their knowledge of how they can use and manipulate these representations to demonstrate and support their understanding of Maths.</p>							
<p><b>Number Value Representations</b></p>							
Tens Frames	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> </ul>
Place Value Charts	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> </ul>



	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Gattegno Chart</b>		<ul style="list-style-type: none"> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> <li>Multiplication and Division</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> <li>Multiplication and Division</li> </ul>
<b>Number Line</b>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>
	<p>Every number marked</p>	<p>Selected numbers marked e.g. to scaffold backwards counting</p> <p>Figure 6: 0 to 100 number line to support backwards counting</p> <p>Some numbers marked – marked divisions for each number.</p> <p>Figure 4: 0 to 100 number line</p> <p>Unmarked number line</p> <p>Figure 8: placing 16 on an unmarked 0 to 20 number line</p>					

Part, Whole Representations							
	Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Cherry Models</b>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> <li>Multiplication and Division</li> </ul>
<b>Partitioning Diagrams</b>	<ul style="list-style-type: none"> <li>Number and Place Value</li> </ul>	<ul style="list-style-type: none"> <li>Addition and Subtraction</li> <li>Number Facts</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Number and Place Value</li> <li>Addition and Subtraction</li> <li>Fractions</li> <li>Multiplication and Division</li> </ul>

