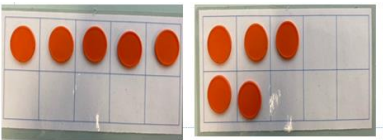
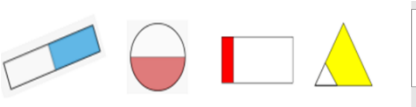
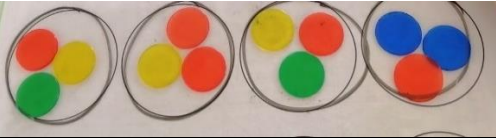



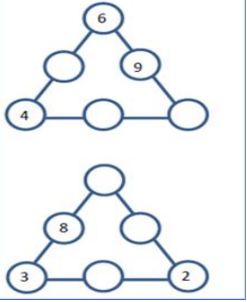


			<ul style="list-style-type: none"> • <i>Knows that fractions are relative to the whole</i> • <i>Knows that fractions are equal parts to the whole.</i> • <i>Knows that halves are two equal parts of a whole.</i> • <i>Knows that quarters are four equal parts of a whole.</i> • <i>Knows that fractions of amounts can be calculated by sharing equally.</i> 	<ul style="list-style-type: none"> • I know that sharing into 2 equal group is the same as finding a half. • I know that sharing into 4 equal group is the same as finding a quarter. • I know that sharing into 3 equal group is the same as finding a third. 	  
	Geometry	3	<ul style="list-style-type: none"> • Know the properties of 2d shapes including the including the number of lines and line symmetry in a vertical line. • Know the properties of 3d shapes including number of edges, vertices and faces. • Knows and can recognise 2d shapes on the surface of 3d shapes. • Knows how to compare and sort 2d and 3d shapes (including everyday objects) • <i>Knows symmetry is reflection in a vertical line.</i> • <i>Knows that a ruler can be used to draw straight, accurate lines</i> • <i>Knows how to draw basic 2D shapes, using a straight edge</i> 	<ul style="list-style-type: none"> • I know the number of sides on a 2d shape • I know the number of vertices on a 2d shape • I know that symmetry is reflection in a vertical line. • I know the properties of 2d shapes. • I know the properties of 2d shapes in different orientations (pattern making) • I know that 3D shapes have flat faces and curved faces • I know the number of edges on a 3d shapes • I know the number of vertices on a 3d shape • I know the properties of 3d shapes in order to sort them. 	 

Problem Solving and Reasoning

Autumn 2	Strand	Number of Lessons	Ready to Progress (Based on National Curriculum objectives)	Key areas of knowledge (Small steps in learning)	Resources and methods
Money Unit	Logic	3		<p>I know where the starting point is</p> <p>I know that I must find the best clue</p>	<p><u>Lesson 1</u></p> <p>Use the clues...</p> <div><p>1 2 3 4 5 6 7 8 9</p><p>Use the clues to write the digits 1 to 9 in the grid.</p><p>A: This digit is odd. B: This digit is less than 2. C: This digit is half of 12. D: This digit is 1 more than E. E: This digit is equal to 3 + 4. F: This digit is 2 more than B. G: This digit is between 1 and 3 H: This digit is even. I: This is the largest digit.</p></div> <p>Lesson 2:</p> <p>Number Triangles</p> <div><p>Fill in the  so the sum of the numbers on each line is 20</p></div>

Shape Unit		2		<p>I know what is true and when I can be certain</p> <p><u>Lesson 1:</u></p> <p>Shape Puzzles</p> <p>Shape puzzle</p> <p>Each shape stands for a number. The numbers shown are the totals of the line of three numbers in the row or column. Find out which number each symbol represents and find the other totals.</p> <table> <tr> <td>♥</td><td>△</td><td>♥</td><td>12</td></tr> <tr> <td>◡</td><td>△</td><td>△</td><td>14</td></tr> <tr> <td>♥</td><td>△</td><td>◡</td><td></td></tr> <tr> <td>20</td><td>6</td><td></td><td></td></tr> </table> <p>♥ = △ = ◡ =</p> <p>Lesson 2:</p> <p>Shape puzzle</p> <table> <tr> <td>■</td><td>●</td><td>●</td><td>14</td></tr> <tr> <td>■</td><td>■</td><td>■</td><td>30</td></tr> <tr> <td>▲</td><td>▲</td><td>●</td><td>4</td></tr> <tr> <td>21</td><td>13</td><td>14</td><td></td></tr> </table>	♥	△	♥	12	◡	△	△	14	♥	△	◡		20	6			■	●	●	14	■	■	■	30	▲	▲	●	4	21	13	14	
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◡	△	△	14																																	
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