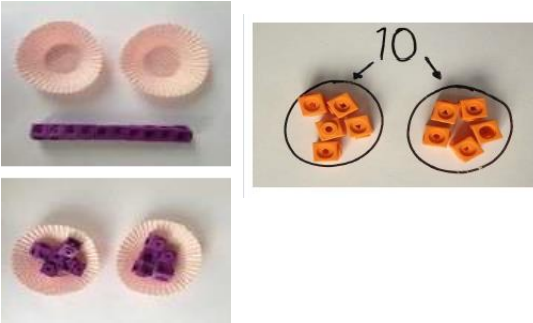
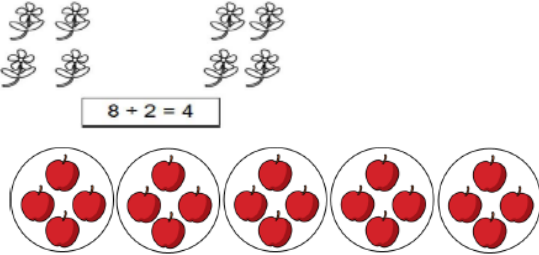
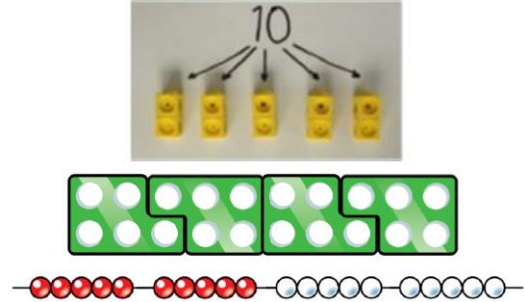
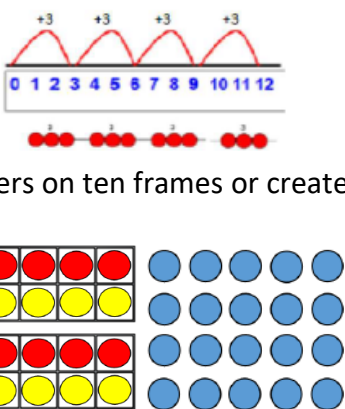
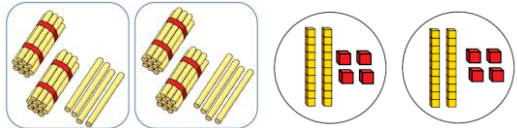
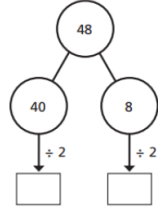
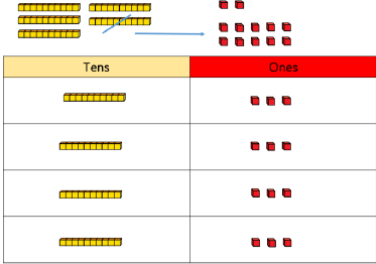
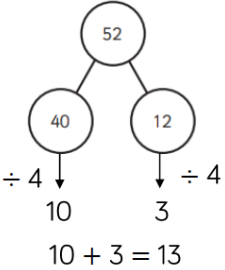
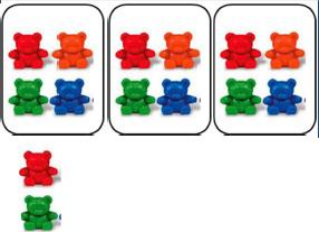



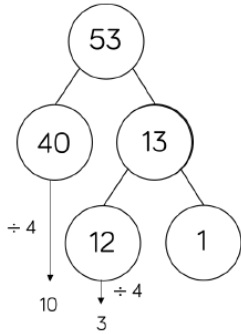
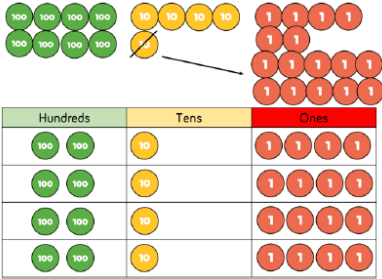
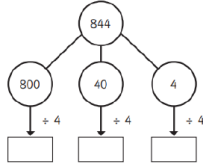
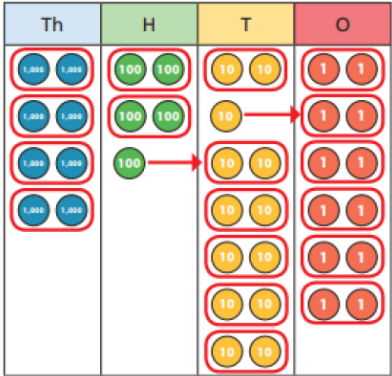


Year	Skill	Concrete examples	Pictorial examples	Abstract examples						
1/2	Solve one step problems with division (sharing).	Use physical objects to share amounts into equal groups. 	Use pictures to share quantities. Year 2 to start recording division formally.  <p><math>8 \div 2 = 4</math></p> <p>20 apples shared between 5.</p>	<div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;"> <p>There are 20 apples altogether. They are shared equally between 5 bags. How many apples are in each bag?</p> </div> <p><math>20 \div 5 = 4</math></p>						
1/2	Solve one step problems with division (grouping).	Use physical objects to group quantities equally. 	Use number lines for grouping.  <p>Use counters on ten frames or create arrays.</p>	<div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;"> <p>There are 20 apples altogether. They are put in bags of 5. How many bags are there?</p> </div> <p><math>20 \div 5 = 4</math></p>						
3	Divide 2-digits by 1-digits (no exchanging).	Use straw bundles, counters or Base 10. 	Use representations of counters or Base 10 on place value grids. <table border="1" data-bbox="1010 1257 1391 1417" style="margin: 10px auto;"> <thead> <tr> <th style="background-color: #fff9c4;">Tens</th> <th style="background-color: #fce4ec;">Ones</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div> </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div> </td> </tr> <tr> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div> </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div> </td> </tr> </tbody> </table>	Tens	Ones	<div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div>	<div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div>	<div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div>	<div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 10px; margin-bottom: 10px;"> <p><math>48 \div 2 = 24</math></p> </div> 
Tens	Ones									
<div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div>	<div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div>									
<div style="display: flex; justify-content: space-around;"> <span>10</span> <span>10</span> </div>	<div style="display: flex; justify-content: space-around;"> <span>1</span> <span>1</span> <span>1</span> <span>1</span> </div>									

3	Divide 2-digits by 1-digit (with exchanging).	As above.	<p>Use representations of counters or Base 10 on place value grids.</p> 	<p><b><math>52 \div 4 = 13</math></b></p> 
3/4	Divide 2-digits by 1-digits (with remainders).	<p>Use physical objects to show remainders.</p> 	<p>Use jumps on a number line to show remainder.</p>  <p>Use dots to group and show remainder.</p>  <p>Use representations of counters or Base 10 on place value grids.</p> 	<p><b><math>53 \div 4 = 13 \text{ r}1</math></b></p> 
4	Divide 3-digit by 1-digit (with exchanging).	Use Base 10 or counters to physically group and show exchanges.	<p>Use representations of counters or Base 10 on place value grids.</p> 	<p><b><math>844 \div 4 = 211</math></b></p>  <p>Introduce expanded 'bus stop'.</p> $200 + 10 + 1 = 211$ $4 \overline{) 800 + 40 + 4}$

5	Divide 3 or 4-digit by 1-digit (grouping).	As above.	<p>Use representations of counters or Base 10 on place value grids.</p> 	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"><b><math>8,532 \div 2 = 4,266</math></b></div> <p>Expanded 'bus stop' method before moving to short division.</p> $4000 + 200 + 60 + 6 = 4266$ $2 \overline{) 8000 + 500 + 30 + 2}$ <div style="border: 1px solid red; padding: 2px; display: inline-block; margin-left: 100px;"> <math>400 + 130 + 2</math>  <math>120 + 12</math> </div> $4000 + 250 + 15 + 1 = 4266$ $2 \overline{) 8000 + 500 + 30 + 2}$																																																																								
6	Short division.	Children are encouraged to move away from concrete and pictorial methods as they are less effective.	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"><b><math>432 \div 12 = 36</math></b></div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td>0</td><td>3</td><td>6</td></tr> <tr><td></td><td>12</td><td>4</td><td>43</td><td>72</td></tr> </table>			0	3	6		12	4	43	72	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"><b><math>7,335 \div 15 = 489</math></b></div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td>0</td><td>4</td><td>8</td><td>9</td></tr> <tr><td></td><td>15</td><td>7</td><td>73</td><td>133</td><td>135</td></tr> </table> <table border="1" style="margin-left: auto; margin-right: auto; font-size: small;"> <tr><td>15</td><td>30</td><td>45</td><td>60</td><td>75</td><td>90</td><td>105</td><td>120</td><td>135</td><td>150</td></tr> </table>			0	4	8	9		15	7	73	133	135	15	30	45	60	75	90	105	120	135	150																																								
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6	Long division.	As above.	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"><b><math>432 \div 12 = 36</math></b></div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td>0</td><td>3</td><td>6</td></tr> <tr><td>1</td><td>2</td><td>4</td><td>3</td><td>2</td></tr> <tr><td></td><td>-</td><td>3</td><td>6</td><td>0</td></tr> <tr><td></td><td></td><td></td><td>7</td><td>2</td></tr> <tr><td></td><td>-</td><td></td><td>7</td><td>2</td></tr> <tr><td></td><td></td><td></td><td></td><td>0</td></tr> </table> <div style="margin-left: 20px;"> <p>(x30)</p> <ul style="list-style-type: none"> <li>12 x 1 = 12</li> <li>12 x 2 = 24</li> <li>12 x 3 = 36</li> <li>12 x 4 = 48</li> <li>12 x 5 = 60</li> <li>12 x 6 = 72</li> <li>12 x 7 = 84</li> <li>12 x 8 = 96</li> <li>12 x 7 = 108</li> <li>12 x 10 = 120</li> </ul> <p>(x6)</p> </div>			0	3	6	1	2	4	3	2		-	3	6	0				7	2		-		7	2					0	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"><b><math>372 \div 15 = 24 \text{ r}12</math></b></div> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td></td><td></td><td>2</td><td>4</td><td>r</td><td>1</td><td>2</td></tr> <tr><td>1</td><td>5</td><td>3</td><td>7</td><td>2</td><td></td><td></td></tr> <tr><td></td><td>-</td><td>3</td><td>0</td><td>0</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>7</td><td>2</td><td></td><td></td></tr> <tr><td></td><td>-</td><td></td><td>6</td><td>0</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td></td><td></td></tr> </table> <div style="margin-left: 20px;"> <ul style="list-style-type: none"> <li>1 x 15 = 15</li> <li>2 x 15 = 30</li> <li>3 x 15 = 45</li> <li>4 x 15 = 60</li> <li>5 x 15 = 75</li> <li>10 x 15 = 150</li> </ul> </div>			2	4	r	1	2	1	5	3	7	2				-	3	0	0						7	2				-		6	0						1	2		
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