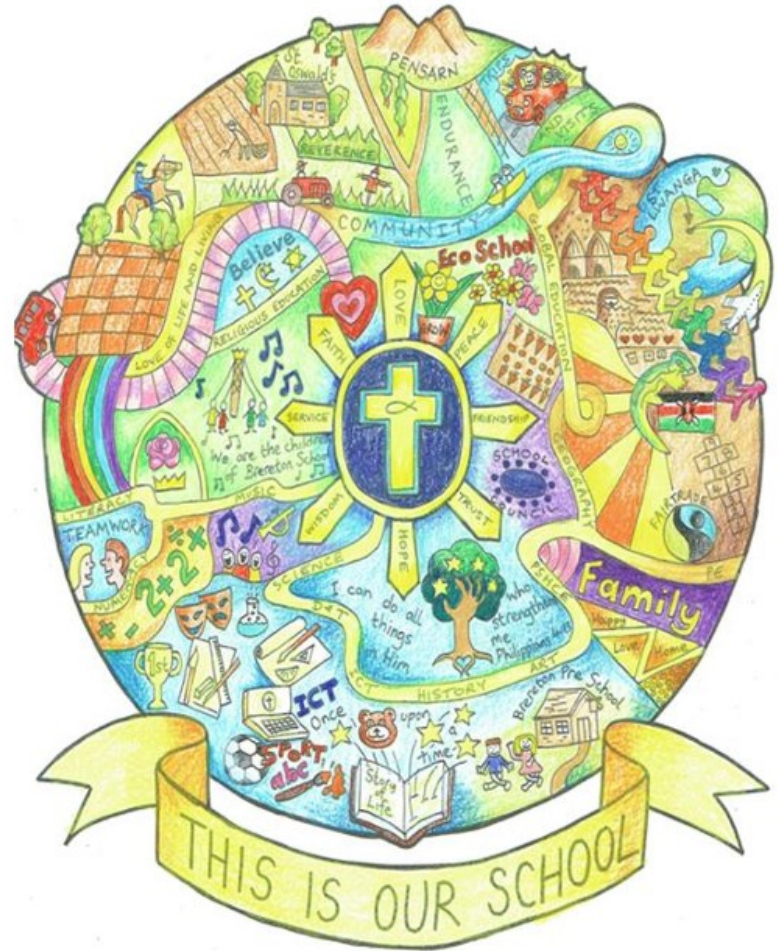




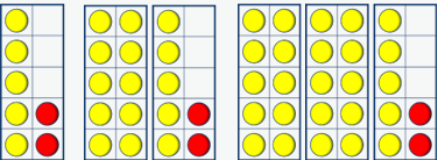
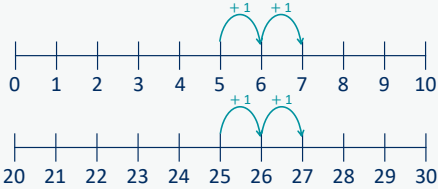
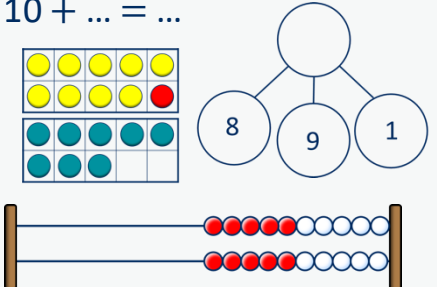
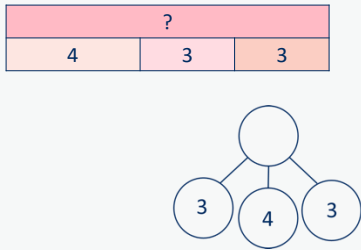
BRERETON CHURCH OF ENGLAND  
PRIMARY SCHOOL



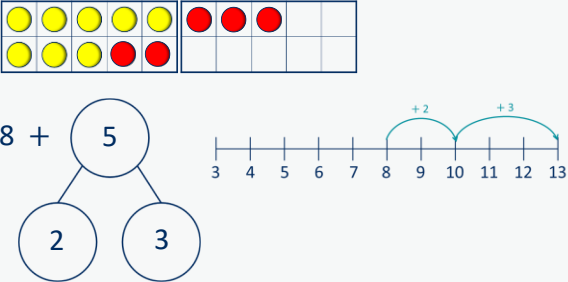
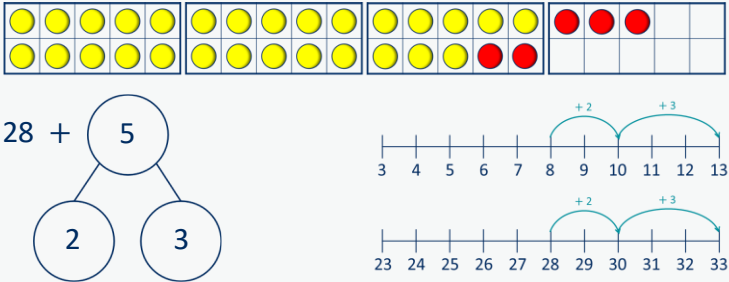
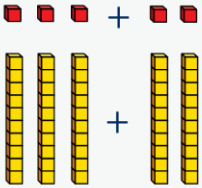
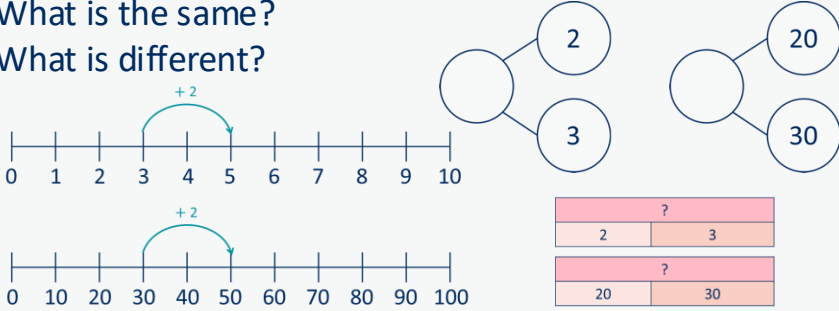
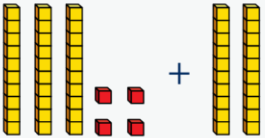
Year 2  
Maths Calculation Policy




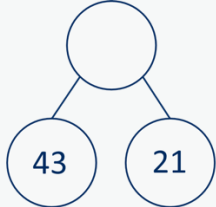
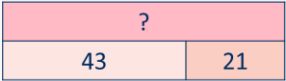
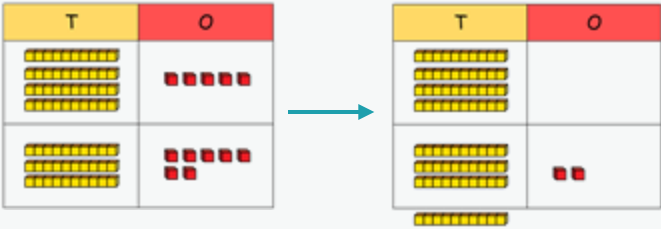
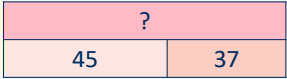
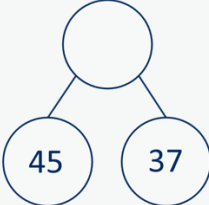
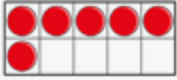
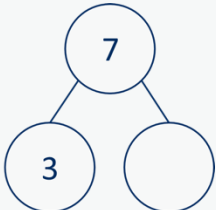
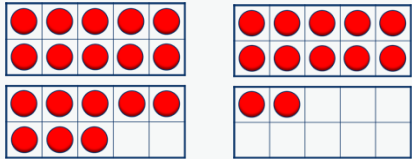
# Addition

<p><b>Year 2</b></p>	<ul style="list-style-type: none"> <li>Recall and use addition facts to 20 fluently, and derive and use related facts up to 100</li> <li>Add numbers using concrete objects, pictorial representations, and mentally, including:             <ul style="list-style-type: none"> <li>a two-digit number and 1s</li> <li>a two-digit number and 10s</li> <li>2 two-digit numbers</li> <li>adding 3 one-digit numbers</li> </ul> </li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> </ul>		
<p><b>Progression of skills</b></p>	<p><b>Key representations</b></p>		
<p><b>Add ones to any number</b> (related facts)</p> <p>Make links to known facts.</p>	<p>I know that ... and ... = ... so ... and ... = ...</p> 	<p>... more than ... is ... so ... more than ... is ...</p> 	<p>What do you notice? Can you continue the pattern?</p> $5 + 2 = 7$ $15 + 2 = 17$ $25 + 2 = 27...$
<p><b>Add three 1-digit numbers</b></p> <p>Prompt children to understand that addition can be done in any order and to make links to known facts.</p>	<p>... and ... are a bond to 10 <math>10 + ... = ...</math></p> 	<p>Double ... + ... = ...</p> 	<p>What do you notice? Which addition is the easiest to calculate?</p> $8 + 9 + 1 =$ $8 + 1 + 9 =$ $9 + 1 + 8 =$

# Addition

Progression of skills	Key representations																																																													
<p><b>Add across a 10</b></p> <p>Partition the number being added to make a full ten.</p>	<p>... can be partitioned into ... and ...</p>  <p><math>8 + 5 = 13</math></p>	<p>I add ... to get to ... then I add ...</p> <p><math>8 + 5 = 13</math> <math>28 + 5 = 33</math></p> 																																																												
<p><b>Add multiples of 10</b></p> <p>Make links to known facts within ten.</p>	<p>... ones + ... ones = ... ones so ... tens + ... tens = ... tens</p>  <p><math>3 + 2 = 5</math> <math>30 + 20 = 50</math></p>	<p>What is the same? What is different?</p> 																																																												
<p><b>Add 10s to any number</b></p> <p>Make links to known facts.</p>	<p>... tens + ... tens = ... tens ... tens and ... ones = ...</p> 	<p>To add ... I need to add 10 ... times.</p> <table border="1" data-bbox="1114 1136 1442 1325"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> </table> <p>I know that ... and ... = ... so ... and ... = ...</p> <p><math>30 + 20 = 50</math> <math>34 + 20 = 54</math></p>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
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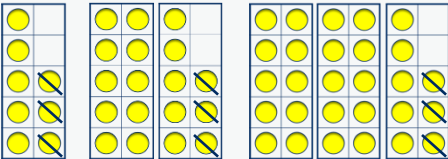
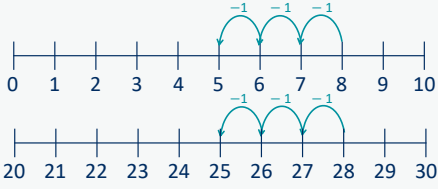
# Addition

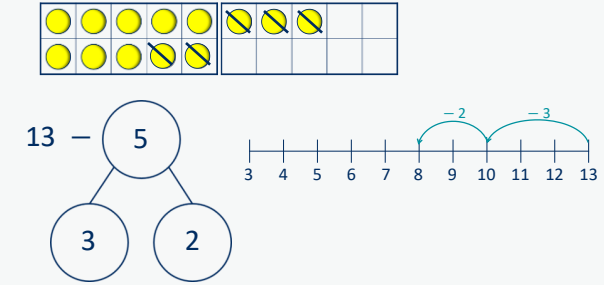
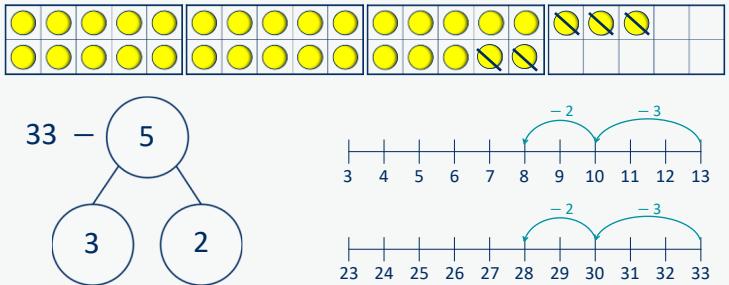
Progression of skills	Key representations		
<p><b>Add 2-digit numbers</b> (not across a ten)</p> <p>Lining up ones and tens in columns will support with later written methods.</p>	<p>... ones + ... ones = ... ones ... tens + ... tens = ... tens</p> <p>3 ones + 1 one = 4 ones 4 tens + 2 tens = 6 tens 6 tens + 4 ones = 64</p>   		
<p><b>Add 2-digit numbers</b> (across a ten)</p> <p>Begin to exchange 10 ones for 1 ten.</p>	<p>There are .... ones, so I do/do not need to make an exchange.</p> <p>... ones = ... ten and ... ones</p>    <p>5 ones + 7 ones = 12 ones 12 ones = 1 ten and 2 ones 4 tens + 3 tens + 1 ten = 8 tens 8 tens and 2 ones = 82</p>		
<p><b>Missing numbers</b></p> <p>Solve missing number problems and use the inverse to check.</p>	<p>How many more do you need to make ...?</p>  <p><math>6 + \square = 10</math> <math>10 - \square = 6</math></p>	<p>If ... is a whole and ... is a part, then ... is the other part.</p> <p><math>\square + 3 = 7</math> <math>7 - 3 = \square</math></p> 	<p>... can be partitioned into ... and ...</p> <p><math>10 + 8 = 12 + \square</math></p> 

# Subtraction

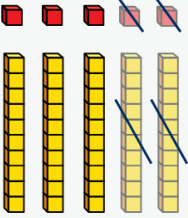
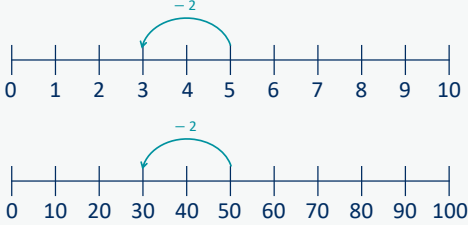
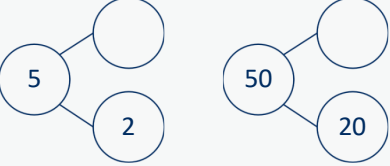
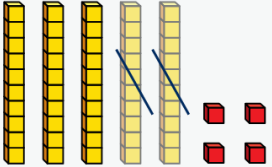
	<ul style="list-style-type: none"> <li>Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>Subtract numbers using concrete objects, pictorial representations, and mentally, including:             <ul style="list-style-type: none"> <li>a two-digit number and 1s</li> <li>a two-digit number and 10s</li> <li>2 two-digit numbers</li> </ul> </li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> </ul>
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<b>Progression of skills</b>	<b>Key representations</b>
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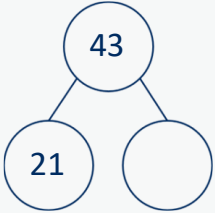
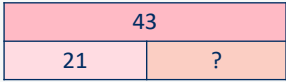
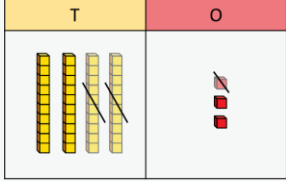
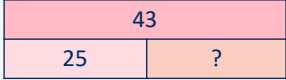
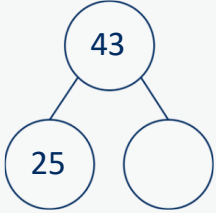
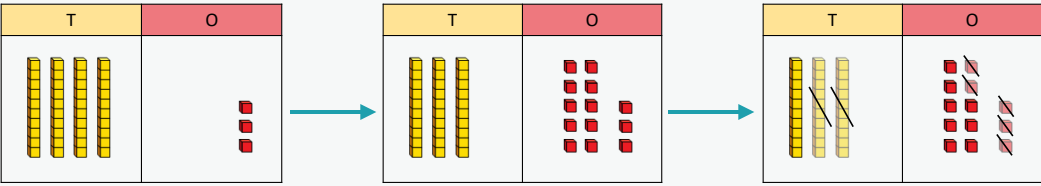
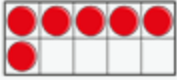
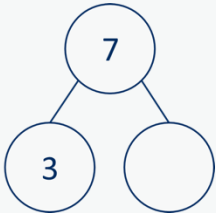
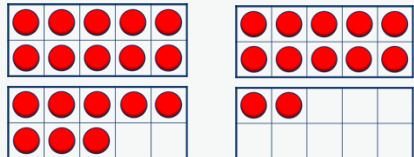
<p><b>Subtract ones from any number</b> (related facts)</p> <p>Make links to known facts.</p>	<p>I know that ... minus ... = ... so ... minus ... = ...</p> 	<p>... less than ... is ... so ... less than ... is ...</p> 	<p>What do you notice? Can you continue the pattern?</p> $8 - 3 = 5$ $18 - 3 = 15$ $28 - 3 = 25...$
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<p><b>Subtract across a 10</b></p> <p>Partition the number being subtracted to bridge through a ten.</p>	<p>... can be partitioned into ... and ...</p> 	<p>Make links with related facts.</p> 
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# Subtraction

Progression of skills	Key representations																																																														
<p><b>Subtract multiples of 10</b></p> <p>Make links to known facts within ten.</p>	<p>... ones – ... ones = ... ones so ... tens – ... tens = ... tens</p>  <p><math>5 - 2 = 3</math> <math>50 - 20 = 30</math></p>	<p>What is the same? What is different?</p> 	 <table border="1" data-bbox="1632 492 1891 646"> <tr> <td colspan="2">5</td> </tr> <tr> <td>2</td> <td>?</td> </tr> <tr> <td colspan="2">50</td> </tr> <tr> <td>20</td> <td>?</td> </tr> </table>	5		2	?	50		20	?																																																				
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<p><b>Subtract 10s from any number</b></p> <p>Make links to known facts.</p>	<p>... tens – ... tens = ... tens ... tens and ... ones = ...</p> 	<p>To subtract ... I need to subtract 10 ... times.</p> <table border="1" data-bbox="1083 843 1473 1068"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	<p>I know that ... minus ... = ... so ... minus ... = ...</p> <p><math>50 - 20 = 30</math> <math>54 - 20 = 34</math></p>
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# Subtraction

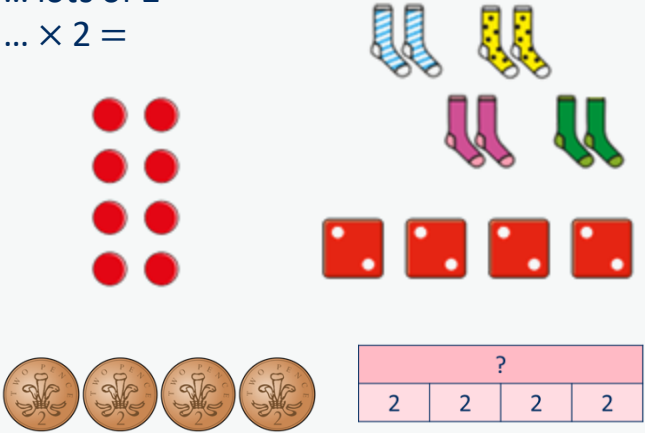

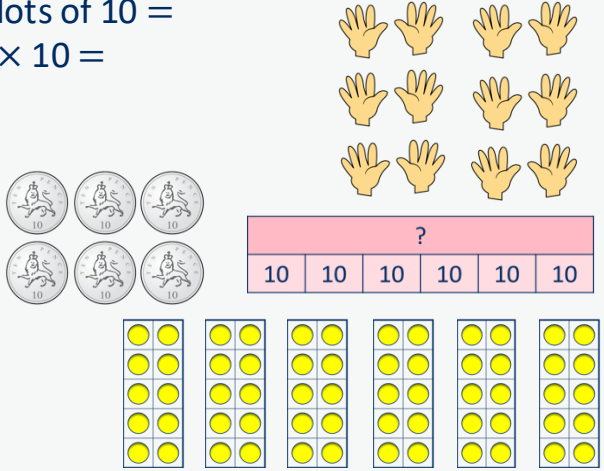

Progression of skills	Key representations		
<p><b>Subtract two 2-digit numbers</b> (not across a ten)</p>	<p>... ones – ... ones = ... ones ... tens – ... tens = ... tens</p>  	 <p>3 ones – 1 one = 2 ones 4 tens – 2 tens = 2 tens 2 tens and 2 ones = 22</p>	
<p><b>Subtract two 2-digit numbers</b> (across a ten)</p> <p>Begin to exchange 1 ten for 10 ones.</p>	<p>I need to make an exchange because I do not have enough ones to subtract ... ones.</p>  	 <p>3 ones – 5 ones (I need to exchange 1 ten for 10 ones)</p> <p>13 ones – 5 ones = 8 ones 3 tens – 2 tens = 1 ten 1 ten and 8 ones = 18</p>	
<p><b>Missing numbers</b></p> <p>Solve missing number problems and use the inverse to check.</p>	<p>How many do you need to subtract to make ...?</p>  <p><math>10 - \square = 6</math> <math>6 + \square = 10</math></p>	<p>If ... is a whole and ... is a part, then ... is the other part.</p> <p><math>7 - 3 = \square</math> <math>\square + 3 = 7</math></p> 	<p>... can be partitioned into ... and ...</p> <p><math>18 - \square = 12 + 2</math></p> 

# Multiplication




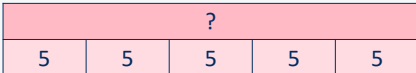


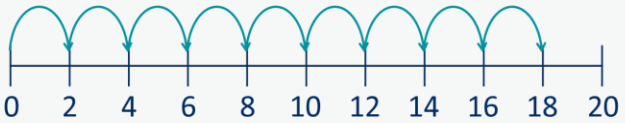
<p><b>Year 2</b></p>	<ul style="list-style-type: none"> <li>Recall and use multiplication facts for the 2, 5 and 10 multiplication tables.</li> <li>Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (<math>\times</math>) and equals (<math>=</math>) signs.</li> <li>Show that multiplication of two numbers can be done in any order (commutative).</li> </ul>													
<p><b>Progression of skills</b></p>	<p><b>Key representations</b></p>													
<p><b>Link repeated addition and multiplication</b></p> <p>Encourage children to make the link between repeated addition and multiplication.</p>	<p>There are ... equal groups with ... in each group. There are ... altogether.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr><td colspan="2" style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">3</td></tr> </table> </div> <div style="text-align: left;"> <p><math>3 + 3 = 6</math> <math>2 \times 3 = 6</math></p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr><td colspan="4" style="text-align: center;">20</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">5</td><td style="text-align: center;">5</td><td style="text-align: center;">5</td></tr> </table> </div> <div style="text-align: left;"> <p><math>5 + 5 + 5 + 5 = 20</math> <math>4 \times 5 = 20</math></p> </div> </div>		6		3	3	20				5	5	5	5
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3	3													
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5	5	5	5											
<p><b>Use arrays</b></p> <p>Encourage children to see that multiplication is commutative.</p>	<p>There are ... rows with ... in each row. There are ... columns with ... in each column.</p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>3 lots of 5 = 15 <math>5 + 5 + 5 = 15</math></p> </div> <div style="text-align: center;">  <p>5 lots of 3 = 15 <math>3 + 3 + 3 + 3 + 3 = 15</math></p> </div> </div>	<p>I can see ... <math>\times</math> ... and ... <math>\times</math> ...</p> <p style="text-align: center;"><math>3 \times 5 = 15</math> <math>5 \times 3 = 15</math> <math>3 \times 5 = 5 \times 3</math></p>												
<p><b>Double</b></p> <p>Encourage children to make links with related facts.</p>	<p>Double ... is ...</p> <div style="display: flex; align-items: center;">  <span style="margin: 0 10px;">→</span>  </div> <p style="margin-left: 100px;">Double 4 = 4 + 4 Double 4 is 8</p>	<p>Double ... is ... so double ... is ...</p> <div style="display: flex; align-items: center;">  <span style="margin: 0 10px;">→</span>  </div> <p style="margin-left: 100px;">Double 4 is 8</p> <div style="display: flex; align-items: center;">  <span style="margin: 0 10px;">→</span>  </div> <p style="margin-left: 100px;">Double 40 is 80</p>												



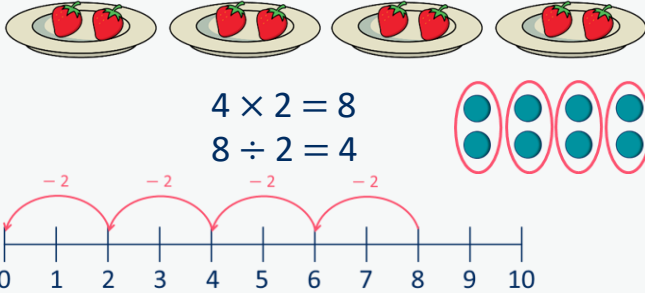
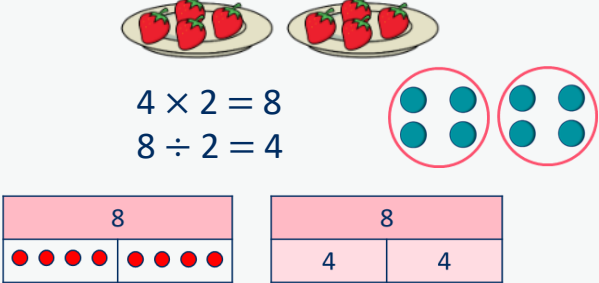
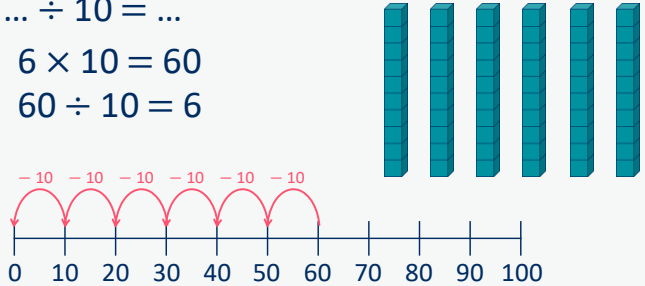
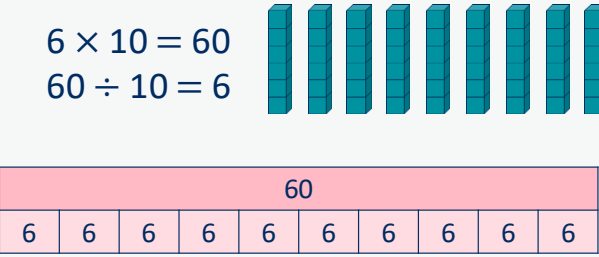
# Multiplication

Progression of skills	Key representations																																									
<p><b>The 2 times-table</b></p> <p>Encourage daily counting in multiples both forwards and back. Notice that all multiples of 2 are even numbers.</p>	<p>... lots of 2 = ... <math>\times 2 =</math></p> 	<p>... times 2 is equal to ...</p> <table border="1" data-bbox="1384 344 1798 462"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table> <p> <math>1 \times 2 = 2</math>    <math>2 = 1 \times 2</math>  <math>2 \times 2 = 4</math>    <math>4 = 2 \times 2</math>  <math>3 \times 2 = 6</math>    <math>6 = 3 \times 2</math> </p> 	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30										
1	2	3	4	5	6	7	8	9	10																																	
11	12	13	14	15	16	17	18	19	20																																	
21	22	23	24	25	26	27	28	29	30																																	
<p><b>The 10 times-table</b></p> <p>Encourage daily counting in multiples both forwards and back. Notice the pattern in the numbers.</p>	<p>... lots of 10 = ... <math>\times 10 =</math></p> 	<p>... times 10 is equal to ...</p> <table border="1" data-bbox="1384 825 1798 982"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> </table> <p> <math>1 \times 10 = 10</math>    <math>10 = 1 \times 10</math>  <math>2 \times 10 = 20</math>    <math>20 = 2 \times 10</math>  <math>3 \times 10 = 30</math>    <math>30 = 3 \times 10</math> </p> 	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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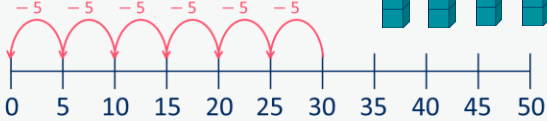

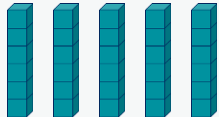
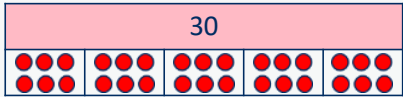
# Multiplication

Progression of skills	Key representations																																									
<p><b>The 5 times-table</b></p> <p>Encourage daily counting in multiples both forwards and back. Notice the pattern in the numbers.</p>	<p>... lots of 5 =</p> <p>... <math>\times 5 =</math></p>    	<p>... times 5 is equal to ...</p> <table border="1" data-bbox="1384 335 1813 499"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> </table> <p> <math>1 \times 5 = 5</math>      <math>5 = 1 \times 5</math>  <math>2 \times 5 = 10</math>    <math>10 = 2 \times 5</math>  <math>3 \times 5 = 15</math>    <math>15 = 3 \times 5</math> </p> 	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	2	3	4	5	6	7	8	9	10																																	
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31	32	33	34	35	36	37	38	39	40																																	
<p><b>Missing numbers</b></p> <p>Make links to known facts.</p>	<p>... is equal to ... groups of ...</p> <p>18 socks, how many pairs? </p> 	<p>... times ... is equal to ...</p> <p><math>\square \times 2 = 18</math></p> <p><math>18 = 2 \times \square</math></p>																																								

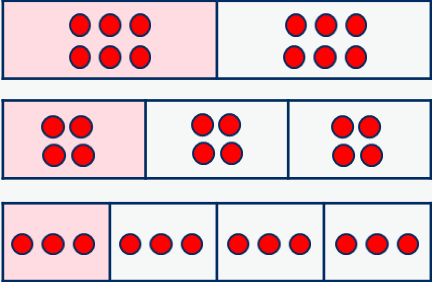

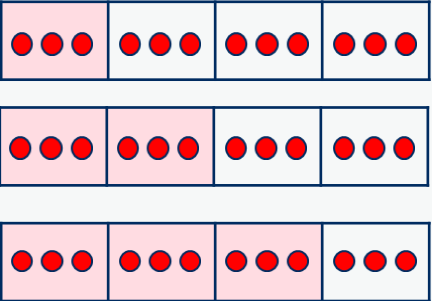
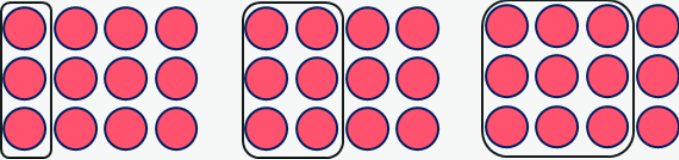
# Division

<p><b>Year 2</b></p>	<ul style="list-style-type: none"> <li>Recall and use division facts for the 2, 5 and 10 multiplication tables.</li> <li>Calculate mathematical statements for division within the multiplication tables and write them using the division (<math>\div</math>) and equals (<math>=</math>) signs.</li> <li>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a quantity.</li> </ul>	
<p><b>Progression of skills</b></p>	<p><b>Key representations</b></p>	
<p><b>Divide by 2</b></p> <p>Encourage children to compare the grouping and sharing structures of division and to make links with times-table facts and halving.</p>	<p>There are ... equal groups of 2 ... <math>\div 2 = \dots</math></p>  <p><math>4 \times 2 = 8</math> <math>8 \div 2 = 4</math></p>	<p>... shared equally between 2 is ... Half of ... is ... ... <math>\div 2 = \dots</math></p>  <p><math>4 \times 2 = 8</math> <math>8 \div 2 = 4</math></p>
<p><b>Divide by 10</b></p> <p>Encourage children to compare the grouping and sharing structures of division and to make links with times-table facts.</p>	<p>There are ... equal groups of 10 ... <math>\div 10 = \dots</math></p> <p><math>6 \times 10 = 60</math> <math>60 \div 10 = 6</math></p> 	<p>... shared equally between 10 is ... ... <math>\div 10 = \dots</math></p> <p><math>6 \times 10 = 60</math> <math>60 \div 10 = 6</math></p> 

# Division

Progression of skills	Key representations																																			
<p><b>Divide by 5</b></p> <p>Encourage children to compare the grouping and sharing structures of division and to make links with times-table facts.</p>	<p>There are ... equal groups of 5</p> <p>... <math>\div 5 = \dots</math></p>  <p><math>6 \times 5 = 30</math> <math>30 \div 5 = 6</math></p>  	<p>... shared equally between 5 is ...</p> <p>... <math>\div 5 = \dots</math></p>  <p><math>6 \times 5 = 30</math> <math>30 \div 5 = 6</math></p>  																																		
<p><b>Missing numbers</b></p> <p>Bar models are useful to show the link between multiplication and division.</p>	<p>... divided by 2/5/10 is equal to ...</p> <table border="1" data-bbox="576 825 762 905"> <tr><td colspan="2">?</td></tr> <tr><td>10</td><td>10</td></tr> </table> $\square \div 2 = 10$ <table border="1" data-bbox="576 929 1011 1009"> <tr><td colspan="5">?</td></tr> <tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr> </table> $\square \div 5 = 10$ <table border="1" data-bbox="576 1033 1353 1113"> <tr><td colspan="10">?</td></tr> <tr><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td><td>10</td></tr> </table> $\square \div 10 = 10$		?		10	10	?					10	10	10	10	10	?										10	10	10	10	10	10	10	10	10	10
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# Division

Progression of skills	Key representations	
<p><b>Unit fractions</b></p> <p>In Y2 the focus is on finding <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{1}{3}</math></p> <p>Bar models are useful to show the link between division and finding a fraction.</p>	<p>The objects have been shared fairly into ... groups.</p> <p><math>\frac{1}{\square}</math> of ... is ...</p>  <p>The first bar model shows 6 red dots in a 2x3 grid, with the left half shaded pink. The second bar model shows 6 red dots in a 2x3 grid, with the first two columns shaded pink. The third bar model shows 12 red dots in a 3x4 grid, with the first three columns shaded pink.</p>	<p>There are ... equal parts.</p> <p>There is ... part circled.</p> <p><math>\frac{1}{\square}</math> is circled.</p>  <p>The first group has 9 oranges arranged in a 3x3 grid, with the leftmost column circled. The second group has 2 pears, with both circled. The third group has 12 apples arranged in a 3x4 grid, with the middle column circled.</p>
<p><b>Non-unit fractions</b></p> <p>In Y2 the focus is on finding <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math></p> <p>Prompt children to notice that <math>\frac{2}{4}</math> is equivalent to <math>\frac{1}{2}</math></p>	<p>The objects have been shared fairly into ... groups.</p> <p><math>\frac{\square}{\square}</math> of ... is ...</p>  <p>The first bar model shows 12 red dots in a 3x4 grid, with the first two columns shaded pink. The second bar model shows 12 red dots in a 3x4 grid, with the first three columns shaded pink. The third bar model shows 12 red dots in a 3x4 grid, with the first two columns shaded pink.</p>	<p>There are ... equal parts.</p> <p>There are ... parts circled.</p> <p><math>\frac{\square}{\square}</math> is circled.</p>  <p>The first group has 12 red circles in a 3x4 grid, with the first three columns circled. The second group has 12 red circles in a 3x4 grid, with the first two columns circled. The third group has 12 red circles in a 3x4 grid, with the first two columns circled.</p>