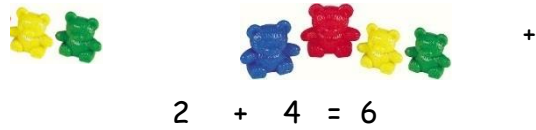
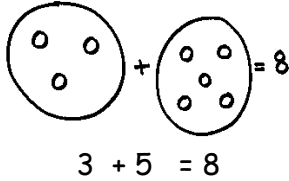
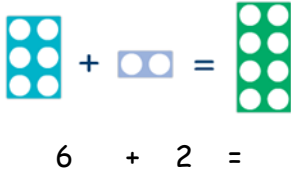
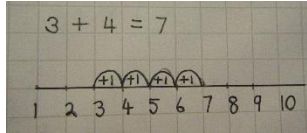
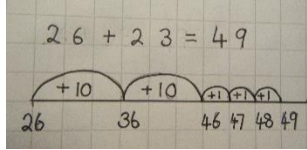
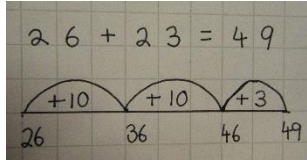
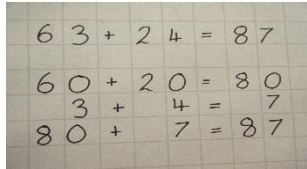
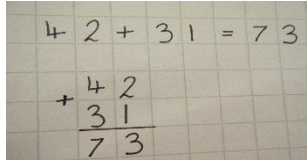
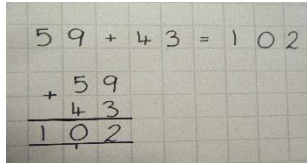
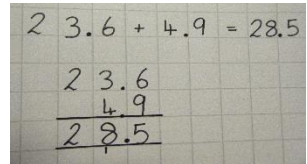
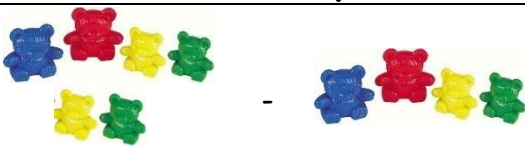


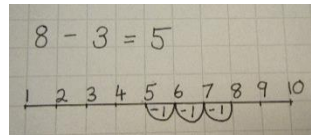
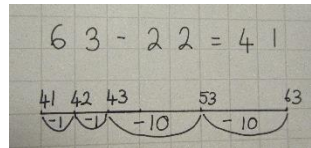
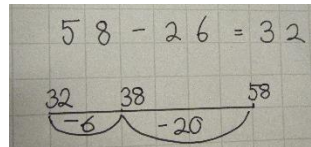
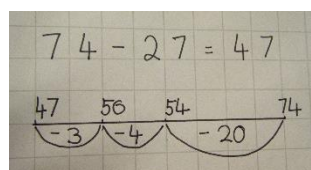
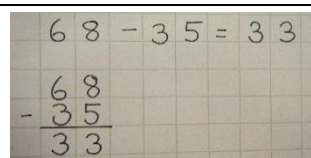
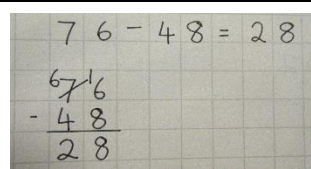
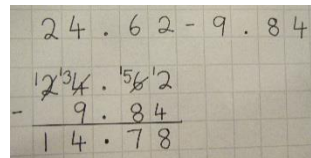


Bailey's Court  
Calculation Policy

# Addition

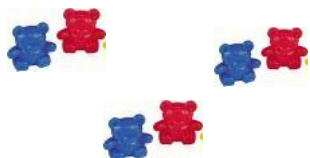



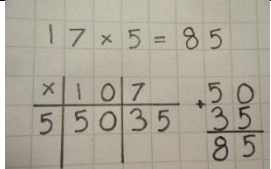
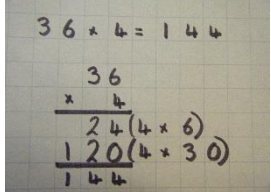
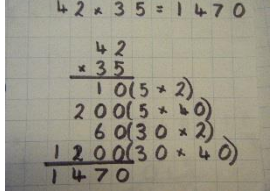
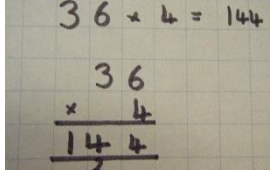
Stages	Examples
<p><b><u>Stage 1</u></b> Use of objects</p>	 <p style="text-align: center;"><math>2 + 4 = 6</math></p>
<p><b><u>Stage 2</u></b> Use of pictorial representations (up to 2 digit + 1 digit)</p>	 <p style="text-align: center;"><math>3 + 5 = 8</math></p>
<p><b><u>Stage 3</u></b> Practical representation using numicon</p>	 <p style="text-align: center;"><math>6 + 2 = 8</math></p>
<p><b><u>Stage 4</u></b> Adding ones on a number line</p>	 <p style="text-align: center;"><math>3 + 4 = 7</math></p>
<p><b><u>Stage 5</u></b> Adding tens and ones on a number line</p>	 <p style="text-align: center;"><math>26 + 23 = 49</math></p>
<p><b><u>Stage 6</u></b> Adding multiples of tens and groups of ones on a number line</p>	 <p style="text-align: center;"><math>26 + 23 = 49</math></p>
<p><b><u>Stage 7</u></b> Addition through partitioning</p>	 <p style="text-align: center;"><math>63 + 24 = 87</math> <math>60 + 20 = 80</math> <math>3 + 4 = 7</math> <math>80 + 7 = 87</math></p>
<p><b><u>Stage 8</u></b> Column addition (without bridging)</p>	 <p style="text-align: center;"><math>42 + 31 = 73</math></p>
<p><b><u>Stage 9</u></b> Column addition (bridging)</p>	 <p style="text-align: center;"><math>59 + 43 = 102</math></p>
<p><b><u>Stage 10</u></b> Column addition involving decimals</p>	 <p style="text-align: center;"><math>23.6 + 4.9 = 28.5</math></p>

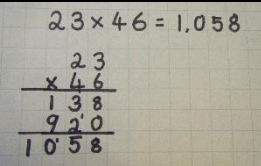
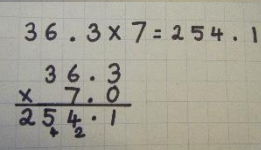
# Subtraction

Stages	Examples
<p><b>Stage 1</b> Use of objects</p>	 $6 - 4 = 2$
<p><b>Stage 2</b> Use of pictorial representation (up to 2 digit - 1 digit)</p>	$12 - 5 = 7$ 
<p><b>Stage 3</b> Practical representation using numicon</p>	 $7 - 3 = 4$
<p><b>Stage 4</b> Counting back on a number line in ones</p>	 $8 - 3 = 5$
<p><b>Stage 5</b> Counting back on a number line in tens and ones</p>	 $63 - 22 = 41$
<p><b>Stage 6</b> Counting back multiples of tens and groups of ones (without going over the 10s)</p>	 $58 - 26 = 32$
<p><b>Stage 7</b> Use of a number line to support going over the 10s</p>	 $74 - 27 = 47$
<p><b>Stage 8</b> Column subtraction (without decomposition)</p>	 $68 - 35 = 33$
<p><b>Stage 9</b> Column subtraction (with decomposition)</p>	 $76 - 48 = 28$
<p><b>Stage 10</b> Column subtraction involving decimals</p>	 $24.62 - 9.84 = 14.78$

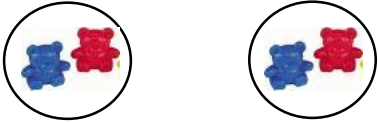

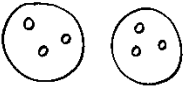
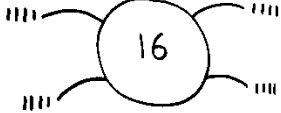
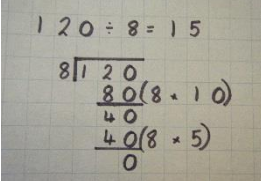
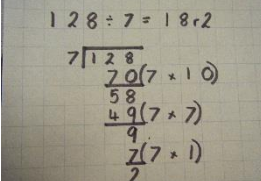
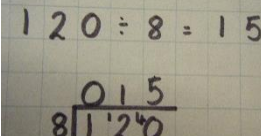
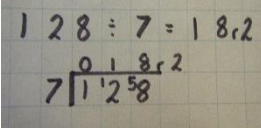
# Multiplication

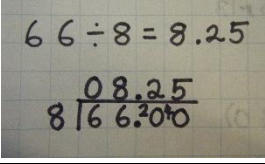
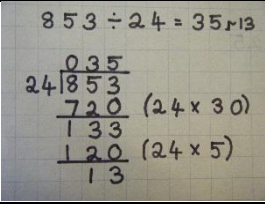
Year 1	2x 5x 10x
Year 2	3x 4x
Year 3	6x 7x 8x 9x
Year 4	11x 12x
Year 5/6	Recall multiplication facts for all tables

Stages	Examples
<p><b><u>Stage 1</u></b> Use of objects</p>	 <p style="text-align: center;"><math>3 \times 2 = 6</math></p>
<p><b><u>Stage 2</u></b> Use of pictorial representations</p>	 <p style="text-align: center;"><math>3 \times 6 = 18</math></p>
<p><b><u>Stage 3</u></b> Practical representation using numicon</p>	 <p style="text-align: center;"><math>5 \times 3 = 15</math></p>
<p><b><u>Stage 4</u></b> Use of arrays</p>	 <p style="text-align: center;"><math>4 \times 6 = 24</math>     <math>6 \times 4 = 24</math></p>
<p><b><u>Stage 5</u></b> Grid method</p>	 <p style="text-align: center;"><math>17 \times 5 = 85</math></p>
<p><b><u>Stage 6</u></b> Expanded column multiplication (TUxU)</p>	 <p style="text-align: center;"><math>36 \times 4 = 144</math></p>
<p><b><u>Stage 7</u></b> Expanded column multiplication (TUxTU)</p>	 <p style="text-align: center;"><math>42 \times 35 = 1470</math></p>
<p><b><u>Stage 8</u></b> Short Multiplication (TUxU)</p>	 <p style="text-align: center;"><math>36 \times 4 = 144</math></p>

<b>Stage 9</b> Long Multiplication (TUxTU)	
<b>Stage 10</b> Short multiplication using decimals	

## Division

Stages	Examples
<b>Stage 1</b> Sorting objects into groups	 $4 \div 2 = 2$
<b>Stage 2</b> Practical representation using numicon	 $6 \div 3 = 2$
<b>Stage 3</b> Pictorial representation	 $6 \div 2 = 3$
<b>Stage 4</b> Divider spider	 $16 \div 4 = 4$
<b>Stage 5</b> Chunking (no remainders)	
<b>Stage 6</b> Chunking (remainders)	
<b>Stage 7</b> Bus stop (no remainders)	
<b>Stage 8</b> Bus stop (remainders)	

<p><b>Stage 9</b> Bus stop (decimals)</p>	 $66 \div 8 = 8.25$ $\begin{array}{r} 08.25 \\ 8 \overline{) 66.200} \\ \underline{64} \phantom{00} \\ 20 \phantom{0} \\ \underline{16} \phantom{0} \\ 40 \\ \underline{40} \\ 0 \end{array}$
<p><b>Stage 10</b> Long division</p>	 $853 \div 24 = 35 \text{ r } 13$ $\begin{array}{r} 035 \\ 24 \overline{) 853} \\ \underline{720} \phantom{0} \quad (24 \times 30) \\ 133 \\ \underline{120} \phantom{0} \quad (24 \times 5) \\ 13 \end{array}$