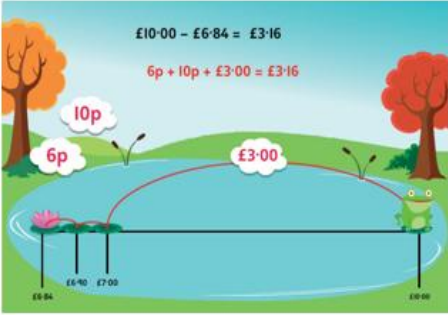
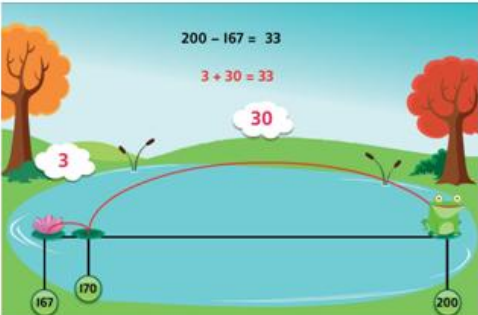


Year 3 Written Methods

+	<p>Build on partitioning to develop expanded column addition with two 3-digit numbers e.g. $466 + 358$</p> $\begin{array}{r} 400 & 60 & 6 \\ + 300 & 50 & 8 \\ \hline 700 & 110 & 14 = 824 \end{array}$ <p>Use expanded column addition where digits in a column add to more than the column value e.g. $466 + 358$</p> $\begin{array}{r} 400 & 60 & 6 \\ 300 & 50 & 8 \\ + 100 & 10 & \\ \hline 800 & 20 & 4 \end{array}$ <p>Compact column addition with two or more 3-digit numbers or towers of 2-digit numbers e.g. $347 + 286 + 495$</p> $\begin{array}{r} 347 \\ + 286 \\ + 495 \\ \hline 21 \\ \hline 1128 \end{array}$ <p>Compact column addition with 3- and 4-digit numbers Recognise like fractions that add to 1</p> <p>e.g. $1/4 + 3/4$ - - - - e.g. $3/5 + 2/5$</p>	<ul style="list-style-type: none"> Use expanded column addition to add two or three 3-digit numbers or three 2-digit numbers Begin to use compact column addition to add numbers with 3 digits Begin to add like fractions e.g. $3/8 + 1/8 + 1/8$ Recognise fractions that add to 1 e.g. $1/4 + 3/4$ e.g. $3/5 + 2/5$ 								
-	<p>Use counting up subtraction to find change from £1, £5 and £10 e.g. $£10.00 - £6.84$</p>  <p>$£10.00 - £6.84 = £3.16$ $6p + 10p + £3.00 = £3.16$</p> <p>Develop counting up subtraction e.g. $200 - 167$</p>  <p>$200 - 167 = 33$ $3 + 30 = 33$</p> <p>Recognise complements of any fraction to 1</p> <p>- - e.g. $1 - 1/4 = 3/4$ - - e.g. $1 - 3/5 = 2/5$</p>	<ul style="list-style-type: none"> Use counting up as an informal written strategy for subtracting pairs of 3-digit numbers e.g. $423 - 357$ Begin to subtract like fractions e.g. $7/8 - 3/8$ 								
X	<p>Build on partitioning to develop grid multiplication e.g. 23×4</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td style="padding: 5px;">×</td> <td style="padding: 5px; color: green;">20</td> <td style="padding: 5px; color: red;">3</td> <td></td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">80</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">= 92</td> </tr> </tbody> </table>	×	20	3		4	80	12	= 92	<ul style="list-style-type: none"> Use partitioning (grid multiplication) to multiply 2-digit and 3-digit numbers by 'friendly' 1-digit numbers
×	20	3								
4	80	12	= 92							
÷	<p>Perform divisions just above the 10th multiple using written jottings, understanding how to give a remainder as a whole number</p> <p>Use division facts to find unit and simple non-unit fractions of amounts within the times-tables</p> <p>- e.g. $3/4$ of 48 is $3 \times (48 \div 4) = 36$</p>	<ul style="list-style-type: none"> Perform divisions just above the 10th multiple using horizontal or vertical jottings and understanding how to give a remainder as a whole number Find unit fractions of quantities and begin to find non-unit fractions of quantities 								