

# YEAR 3 FORMAL METHODS

Please help your child to practise the following formal methods while they are not at school.

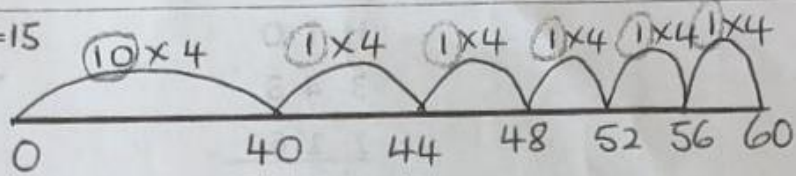
	EXAMPLE								
Column addition	$  \begin{array}{r}  \text{H T O} \\  343 \\  + 116 \\  \hline  459  \end{array}  $								
Column addition with exchanging	$  \begin{array}{r}  \text{H T O} \\  127 \\  + 465 \\  \hline  592  \end{array}  $	$  \begin{array}{r}  \text{H T O} \\  274 \\  + 163 \\  \hline  437  \end{array}  $	$  \begin{array}{r}  \text{H T O} \\  368 \\  + 252 \\  \hline  620  \end{array}  $						
Column Subtraction	Eg. 548 - 124 $  \begin{array}{r}  \text{H T O} \\  548 \\  - 124 \\  \hline  424  \end{array}  $								
Column subtraction with exchanging	$  \begin{array}{r}  \text{H T O} \\  1\overset{5}{\cancel{6}}\overset{1}{5} \\  - 129 \\  \hline  036  \end{array}  $	$  \begin{array}{r}  \text{H T O} \\  2\overset{3}{\cancel{4}}\overset{1}{9} \\  - 184 \\  \hline  165  \end{array}  $	$  \begin{array}{r}  \text{H T O} \\  8\overset{12}{\cancel{9}}\overset{1}{2}\overset{1}{2} \\  - 457 \\  \hline  475  \end{array}  $						
Grid Method	$32 \times 7 = 224$ <table border="1" style="display: inline-table; margin-right: 20px;"> <tr> <td>X</td> <td>30</td> <td>2</td> </tr> <tr> <td>7</td> <td>210</td> <td>14</td> </tr> </table> $210 + 14 = 224$			X	30	2	7	210	14
X	30	2							
7	210	14							
Expanded Method	$  \begin{array}{r}  \text{H T O} \\  25 \\  \times 7 \\  \hline  35 \quad (7 \times 5) \\  + 140 \quad (7 \times 20) \\  \hline  175  \end{array}  $	$  \begin{array}{r}  \text{H T O} \\  524 \\  \times 6 \\  \hline  24 \quad (6 \times 4) \\  120 \quad (6 \times 20) \\  + 3000 \quad (6 \times 500) \\  \hline  3124  \end{array}  $							

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## EXAMPLE

Division using a  
numberline

$$60 \div 4 = 15$$



How many 4's in 60 = 15