

Progression in Written Methods at Bradwell Village School

Addition by Column Method	<p><i>Partitioning</i></p> $ \begin{array}{r} 36 + 49 \\ 30 + 40 = 70 \\ 6 + 9 = 15 \\ \hline 85 \end{array} $	$ \begin{array}{r} 36 \\ 49 + \\ \hline 70 \\ 15 \\ \hline 85 \end{array} $	<p><i>Column Method</i></p> $ \begin{array}{r} 1 \\ 136 \\ 49 + \\ \hline 185 \end{array} $ <p style="text-align: right; font-size: small;"><i>The ten from 6 + 9 = 15 goes on the top</i></p>
Subtraction by decomposition	$ \begin{array}{r} 6 \\ 4 - \\ \hline 2 \end{array} $	$ \begin{array}{r} 7 \\ \cancel{8} \quad ^1 6 \\ 49 - \\ \hline 37 \end{array} $	$ \begin{array}{r} 3 \\ \cancel{4} \quad ^1 3 \quad 2 \\ 191 - \\ \hline 241 \end{array} $

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Multiplication Short to Long	$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \\ \hline 2 \end{array}$	$\begin{array}{r} 24 \\ \times 32 \\ \hline 7_1 20 \quad \times 30 \\ 48 \quad \times 2 \\ \hline 768 \end{array}$	$\begin{array}{r} 23 \\ \times 36 \\ \hline 690 \\ 3_1 8 \\ \hline 828 \\ \hline 1 \end{array}$
Division Short	$7 \overline{) 98} \begin{matrix} 14 \\ 2 \end{matrix}$	$11 \overline{) 496} \begin{matrix} 45 \\ r1 \end{matrix}$	$15 \overline{) 1983} \begin{matrix} 132 \\ . \\ 2 \end{matrix}$
			<p><i>Add the decimal point and zero, then continue as before.</i></p>