

Written Methods of calculation in addition, subtraction, multiplication and division used in Year 6

A9: Column Addition With Decimals

$$\begin{array}{r}
 \text{T} \quad \text{U} \quad \frac{1}{10} \quad \frac{1}{100} \\
 12.47 \\
 + 5.93 \\
 \hline
 18.40 \\
 \hline
 \end{array}$$

S11: Decomposition

$$\begin{array}{r}
 \text{T} \quad \text{U} \\
 672 \\
 - 48 \\
 \hline
 24
 \end{array}
 \qquad
 \begin{array}{r}
 \text{H} \quad \text{T} \quad \text{U} \\
 4 \quad 15 \quad 1 \\
 563 \\
 - 278 \\
 \hline
 285
 \end{array}$$

M6: Compact Vertical

$$\begin{array}{r}
 \text{H} \quad \text{T} \quad \text{U} \\
 43 \\
 \times 6 \\
 \hline
 258 \\
 \hline
 1
 \end{array}
 \qquad
 \begin{array}{r}
 \text{H} \quad \text{T} \quad \text{U} \\
 65 \\
 \times 7 \\
 \hline
 455 \\
 \hline
 3
 \end{array}$$

M7: Long Multiplication Compact Vertical

$$\begin{array}{r}
 \text{Th} \quad \text{H} \quad \text{T} \quad \text{U} \\
 43 \\
 \times 56 \\
 \hline
 258 \quad (6 \times 43) \\
 + 2150 \quad (50 \times 43) \\
 \hline
 2408 \\
 \hline
 1
 \end{array}$$

D8: Chunking

$$\begin{array}{r}
 65r4 \\
 6 \overline{) 394} \\
 - 360 \quad (6 \times 60) \\
 \hline
 34 \\
 - 30 \quad (6 \times 5) \\
 \hline
 4 \\
 394 \div 6 = 65r4
 \end{array}$$

D9: Short Division

$$\begin{array}{r}
 197 \\
 3 \overline{) 591} \\
 \hline
 591 \div 3 = 197
 \end{array}$$