

St Oswald's Visual Calculation Policy - Year 5/6

Addition:

A7: Column Addition

$$\begin{array}{r}
 \begin{array}{ccc} 100 & 10 & 1 \\ 6 & 8 & 7 \end{array} \\
 + \begin{array}{ccc} 2 & 4 & 8 \end{array} \\
 \hline
 \begin{array}{ccc} 9 & 3 & 5 \end{array} \\
 \hline
 \begin{array}{ccc} 1 & 1 & \end{array}
 \end{array}$$

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Subtraction:

S11: Column Subtraction

$$\begin{array}{r}
 \begin{array}{ccc} 100 & 10 & 1 \\ 6 & 8 & 7 \end{array} \\
 - \begin{array}{ccc} 3 & 5 & 6 \end{array} \\
 \hline
 \begin{array}{ccc} 3 & 6 & 7 \end{array}
 \end{array}$$

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Multiplication:

M6: Expanded Column

$$\begin{array}{r}
 \begin{array}{ccc} 100 & 10 & 1 \\ 1 & 4 & 7 \end{array} \\
 \times \begin{array}{c} 4 \end{array} \\
 \hline
 \begin{array}{r} 28 \\ 160 \\ 400 \end{array} \begin{array}{l} (4 \times 7) \\ (4 \times 40) \\ (4 \times 100) \end{array} \\
 \hline
 588
 \end{array}$$

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M7: Column Multiplication

$$\begin{array}{r}
 \begin{array}{ccc} 100 & 10 & 1 \\ 1 & 4 & 7 \end{array} \\
 \times \begin{array}{c} 4 \end{array} \\
 \hline
 \begin{array}{ccc} 5 & 8 & 8 \end{array} \\
 \hline
 \begin{array}{cc} 1 & 2 \end{array}
 \end{array}$$

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M9: Long Multiplication
Column

$$\begin{array}{r}
 \begin{array}{cc} & 43 \\ \times & 65 \\ \hline & 215 \\ + & 2580 \\ \hline 2795 \end{array} \begin{array}{l} (5 \times 43) \\ (60 \times 43) \end{array}
 \end{array}$$

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Division:

D10: Short Division

$$136 \div 4 = 34$$

$$\begin{array}{r}
 34 \\
 4 \overline{) 136}
 \end{array}$$

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D14: Long Division
Traditional Method

$$983 \div 37 = 26 \text{ r}21$$

$$\begin{array}{r}
 26 \text{ r}21 \\
 37 \overline{) 983} \\
 \underline{- 74} \\
 243 \\
 \underline{- 222} \\
 21
 \end{array}$$

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