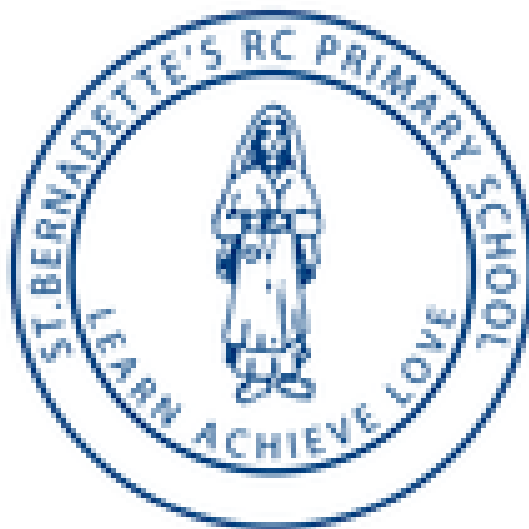


St Bernadette's RC Primary School

Calculation Methods

Year 5



Addition

A7e: Column Addition

$$\begin{array}{r} 787567 \\ + 446278 \\ \hline 1233845 \\ \hline \end{array}$$

1 1 1 1 1



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A7j: Column Addition

With Decimals

$$73.4 + 5.67 = 79.07$$

$$10 \quad 1 \quad = \quad \frac{1}{10} \quad \frac{1}{100}$$

$$\begin{array}{r} 73.4 \\ + 5.67 \\ \hline 79.07 \\ \hline \end{array}$$

1



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Subtraction

S11e: Column Subtraction

$$\begin{array}{r} \overset{3}{7} \overset{1}{4} \overset{7}{2} \overset{12}{8} \overset{1}{3} \overset{1}{1} \\ - 427358 \\ \hline 315473 \end{array}$$

S11f: Column Subtraction

$$\begin{array}{r} \overset{10}{0} \overset{1}{1} \overset{12}{3} \overset{1}{4} \\ - 8.7 \\ \hline 4.7 \end{array}$$

S11g: Column Subtraction

$$\begin{array}{r}
 \begin{array}{ccccccc}
 & 10 & 1 & & \frac{1}{10} & \frac{1}{100} & \\
 6 & 11 & & 13 & 1 & & \\
 \cancel{7} & \cancel{2} & . & \cancel{4} & 3 & & \\
 - & 4 & 7 & . & 8 & 5 & \\
 \hline
 2 & 4 & . & 5 & 8 & &
 \end{array}
 \end{array}$$

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Multiplication

M7: Column Multiplication

$$\begin{array}{r} \text{100} \quad \text{10} \quad \text{1} \\ 147 \\ \times \quad 4 \\ \hline 588 \\ \hline \text{1} \quad \text{2} \end{array}$$

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M7α: Column Multiplication

$$\begin{array}{r} 3647 \\ \times \quad 4 \\ \hline 14588 \\ \hline \text{2} \quad \text{1} \quad \text{2} \end{array}$$



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M8: Grid Method

Long Multiplication

$$43 \times 65 = 2795$$

| x | 40 | 3 |
|----|------|-----|
| 60 | 2400 | 180 |
| 5 | 200 | 15 |

$$2400 + 180 + 200 + 15 = 2795$$

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M9a: Long Multiplication

Column

$$\begin{array}{r}
 243 \\
 \times 68 \\
 \hline
 1944 \quad (8 \times 243) \\
 + 14580 \quad (60 \times 243) \\
 \hline
 16524
 \end{array}$$

Carry values: 1, 3, 2, 1, 1, 2, 1, 1

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Division

D10e: Short Division

$$5978 \div 7 = 854$$

$$\begin{array}{r} 854 \\ 7 \overline{) 5978} \end{array}$$



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D10f: Short Division

Different Remainders

$$\begin{array}{r} 169.2 \\ 5 \overline{) 846.0} \end{array}$$

$$846 \div 5$$

$$\begin{array}{r} 169 \text{ r}1 \\ 5 \overline{) 846} \end{array}$$

$$\begin{array}{r} 169 \frac{1}{5} \\ 5 \overline{) 846} \end{array}$$



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