St Bernadette's RC Primary School

Calculation Methods

Year 6

Addition

A7e: Column Addition

$$\begin{array}{r} 787567 \\ +\ 446278 \\ \hline 1233845 \\ \hline 1\ 1\ 1\quad\ 1\ 1 \end{array}$$

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A7j: Column Addition With Decimals

$$73.4 + 5.67 = 79.07$$

10 1 . $\frac{1}{10}$ $\frac{1}{100}$

$$\begin{array}{r} 73.4 \\ +\ 5.67 \\ \hline 79.07 \\ \hline 1 \end{array}$$

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Subtraction

S11e: Column Subtraction

$$\begin{array}{r} {}^{3}\not{7}\,{}^{1}4\,{}^{7}\not{2}\,{}^{12}\not{8}\,{}^{1}3\,1 \\ -\;4\,2\,7\,3\,5\,8 \\ \hline 3\,1\,5\,4\,7\,3 \end{array}$$

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S11f: Column Subtraction

$$\begin{array}{r} {}^{10}\;{}^{1}\;.\;{}^{\frac{1}{10}} \\ {}^{0}\not{1}\,{}^{12}\not{3}\,{}^{1}4 \\ -\;\;8.7 \\ \hline \;\;4.7 \end{array}$$

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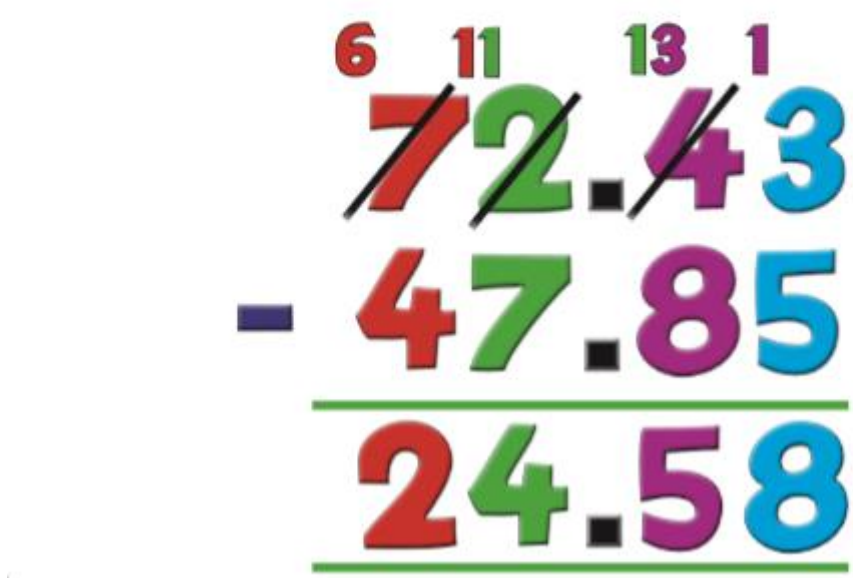
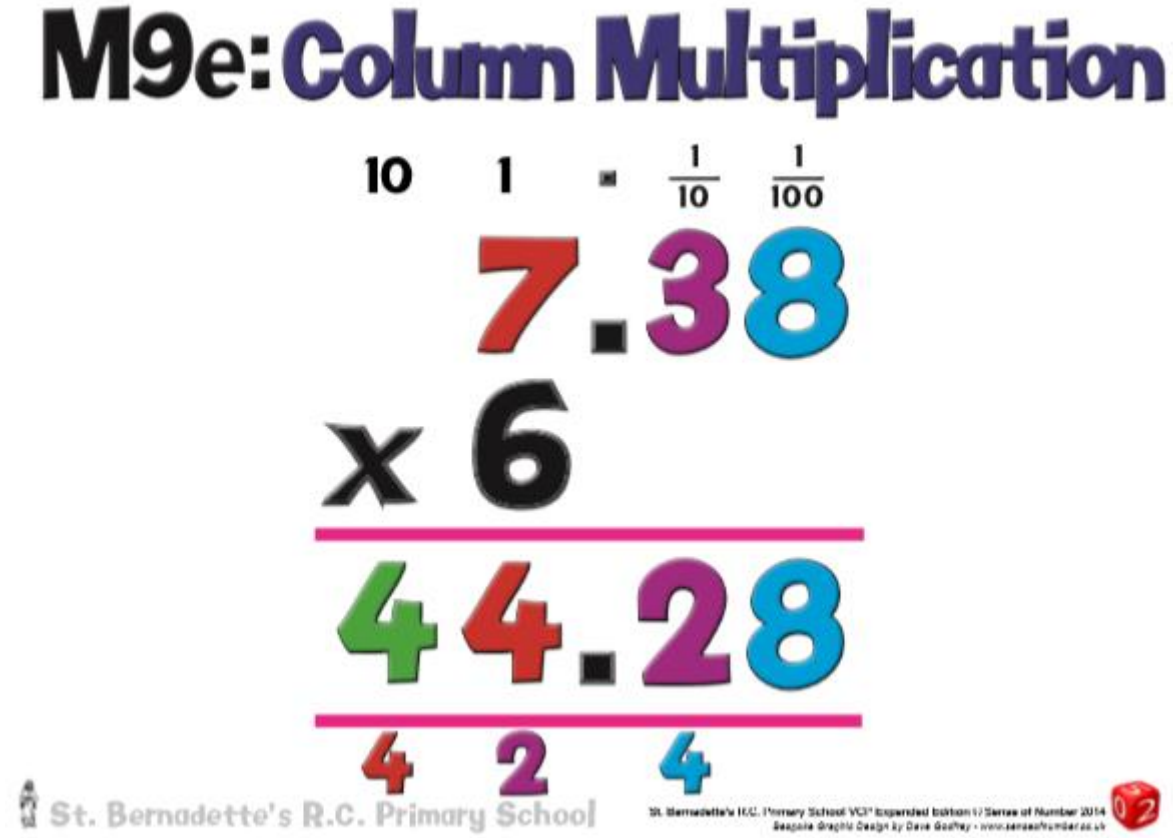
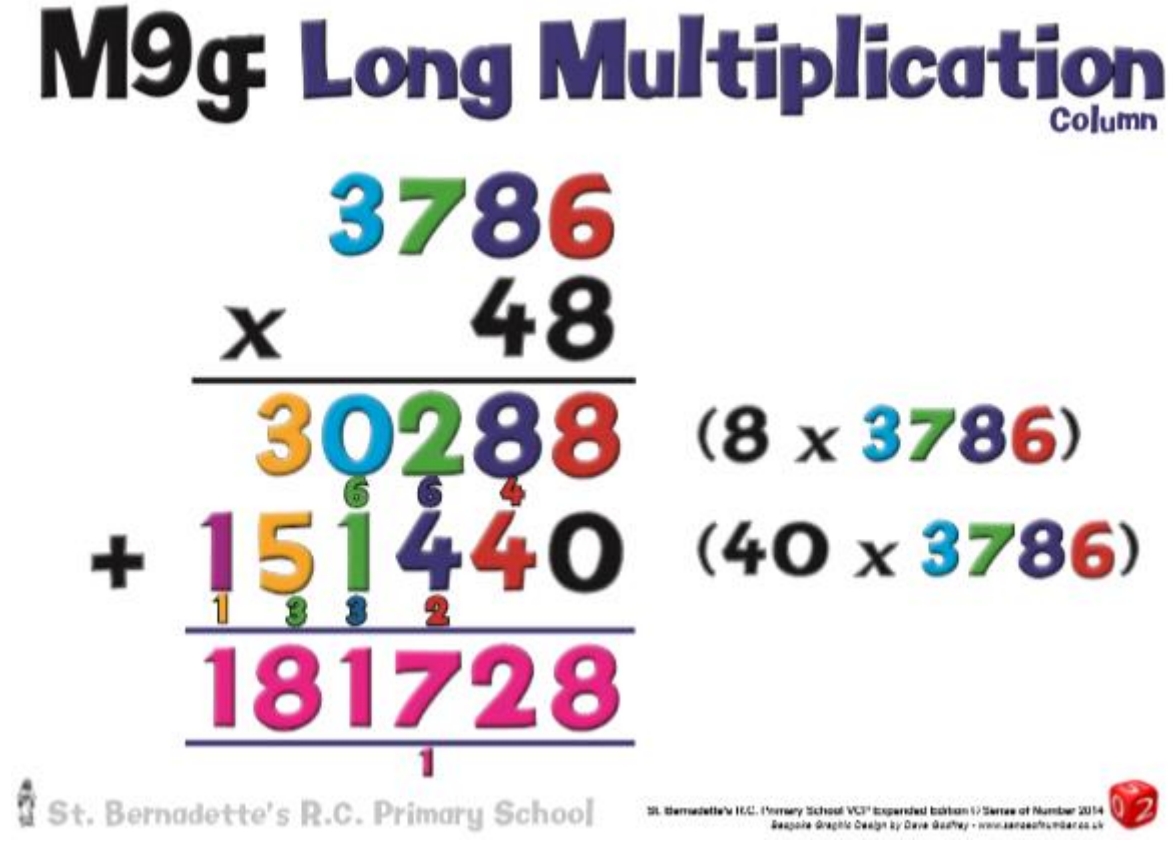
S11g: Column Subtraction

10 1 . $\frac{1}{10}$ $\frac{1}{100}$



Multiplication





Division

D10e: Short Division

$5978 \div 7 = 854$

$$7\overline{)5^{5}9^{3}7^{2}8} = 854$$

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D10f: Short Division

Different Remainders

$$5\overline{)8^{3}4^{4}6.^{1}0} = 169.2$$

$846 \div 5$

$$5\overline{)8^{3}4^{4}6} = 169\text{r}1$$

$$5\overline{)8^{3}4^{4}6} = 169\tfrac{1}{5}$$

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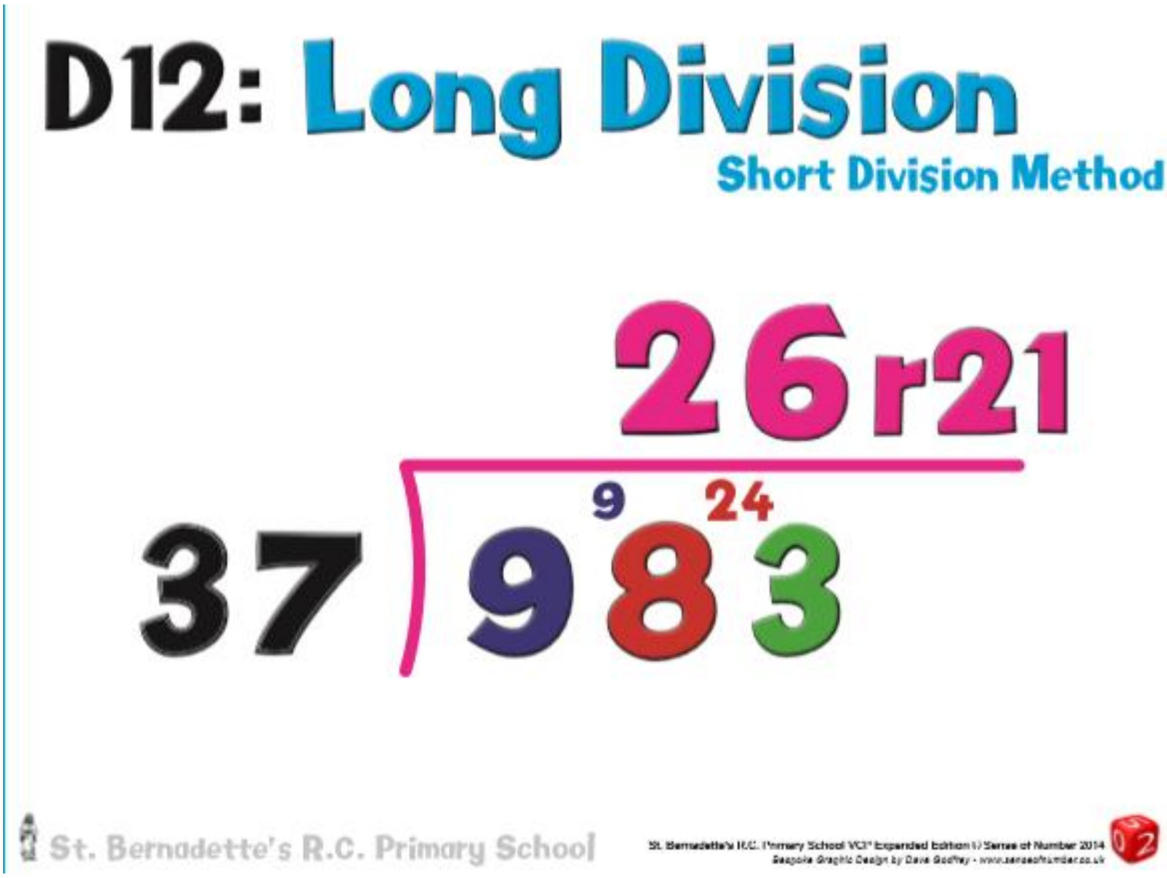
D12: Long Division
Short Division Method
26r21
37
9
24
983
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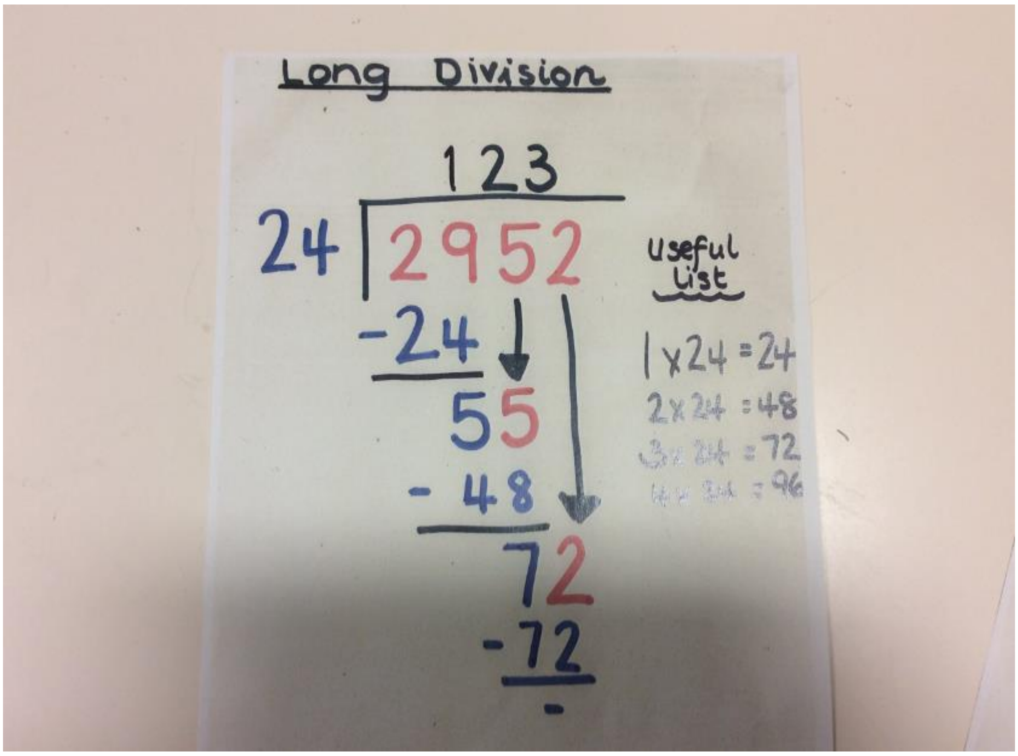
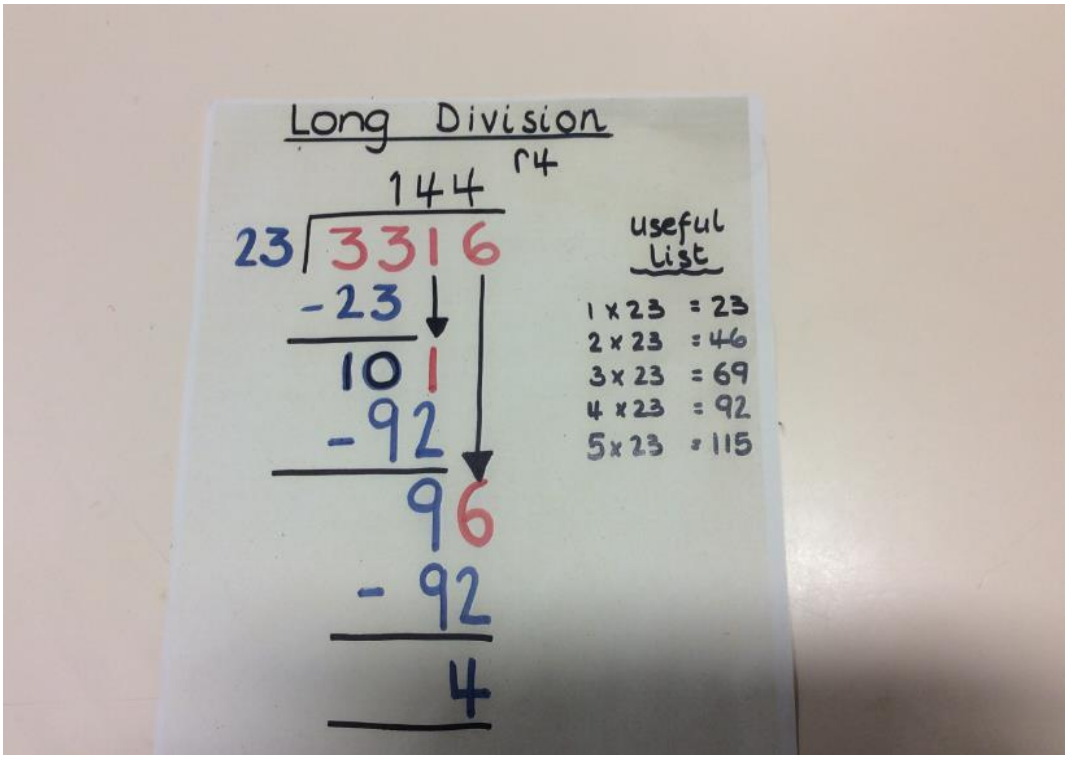

Long Division
123
24
2952
-24
55
- 48
72
-72
-
Useful list
1x24=24
2x24=48
3x24=72
4x24=96


Long Division
r4
144
23 3316
-23
101
-92
96
-92
4
useful list
1 x 23 = 23
2 x 23 = 46
3 x 23 = 69
4 x 23 = 92
5 x 23 = 115