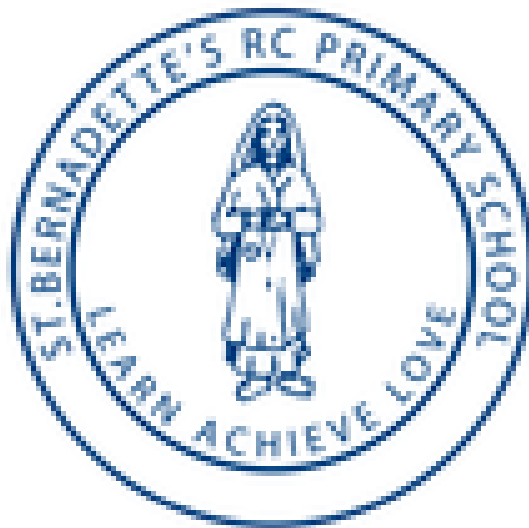


# St Bernadette's RC Primary School

## Calculation Methods

Year 6



# Addition

## A7e: Column Addition

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

1 1 1 1 1



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCE Expanded Edition 1/ Series of Number 2014  
Seaside Graphic Design by Dave Godfrey - www.seasidenumbers.co.uk



## 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



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCE Expanded Edition 1/ Series of Number 2014  
Seaside Graphic Design by Dave Godfrey - www.seasidenumbers.co.uk



# Subtraction

## S11e: Column Subtraction

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



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCI\* Expanded Edition 1/ Series of Number 2014  
Sesqui Graphix Design by Dave Sedley - www.sesquifractions.co.uk



## S11f: Column Subtraction

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



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCI\* Expanded Edition 1/ Series of Number 2014  
Sesqui Graphix Design by Dave Sedley - www.sesquifractions.co.uk



# S11g: Column Subtraction

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

St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCS\* (sponsored school) Series of Number 2014  
 Bespoke Graphic Design by Dave Gashay - [www.senseofnumber.co.uk](http://www.senseofnumber.co.uk)



# Multiplication

## M9e: Column Multiplication

$$\begin{array}{r}
 \begin{array}{c} 10 \quad 1 \quad \cdot \quad \frac{1}{10} \quad \frac{1}{100} \\ 7.38 \\ \times 6 \\ \hline 44.28 \\ \hline 4 \quad 2 \quad 4 \end{array}
 \end{array}$$



## M9g Long Multiplication Column

$$\begin{array}{r}
 \begin{array}{r} 3786 \\ \times 48 \\ \hline 30288 \\ + 151440 \\ \hline 181728 \end{array}
 \end{array}$$

$(8 \times 3786)$   
 $(40 \times 3786)$

1 3 3 2  
1





# Division

## D10e: Short Division

$$5978 \div 7 = 854$$

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



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCI\* Expanded Edition 1/ Series of Number 2014  
Bespoke Graphic Design by Dave Godfrey - www.sanseafrumber.co.uk



## D10f: Short Division

Different Remainders

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

$$846 \div 5$$

$$\begin{array}{r} 169r1 \\ 5 \overline{) 846} \end{array}$$

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



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCI\* Expanded Edition 1/ Series of Number 2014  
Bespoke Graphic Design by Dave Godfrey - www.sanseafrumber.co.uk



# D12: Long Division

Short Division Method

$$\begin{array}{r} 26 \text{ r} 21 \\ 37 \overline{) 983} \end{array}$$

9 24



St. Bernadette's R.C. Primary School

St. Bernadette's R.C. Primary School VCS\* Expanded Edition 1) Series of Number 2014  
Sagolia Graphic Design by Dave Godfrey - www.sagoliamaths.co.uk



Long Division

$$\begin{array}{r} 123 \\ 24 \overline{) 2952} \\ \underline{-24} \phantom{00} \downarrow \\ 55 \phantom{00} \downarrow \\ \underline{-48} \phantom{00} \downarrow \\ 72 \phantom{00} \downarrow \\ \underline{-72} \\ 0 \end{array}$$

Useful List

- $1 \times 24 = 24$
- $2 \times 24 = 48$
- $3 \times 24 = 72$
- $4 \times 24 = 96$

# Long Division

$$\begin{array}{r} 144 \text{ r}4 \\ 23 \overline{) 3316} \\ \underline{-23} \phantom{00} \downarrow \\ 101 \phantom{00} \downarrow \\ \underline{-92} \phantom{00} \downarrow \\ 96 \phantom{00} \downarrow \\ \underline{-92} \\ 4 \end{array}$$

## useful list

$$\begin{array}{l} 1 \times 23 = 23 \\ 2 \times 23 = 46 \\ 3 \times 23 = 69 \\ 4 \times 23 = 92 \\ 5 \times 23 = 115 \end{array}$$