

Calculation

KSI - No particular formal methods stated

Year 3

Addition & Subtraction - 1. Mentally add & subtract 3 digit numbers

2. Column method with up to 3 digits

Multiplication -

1. Partitioning 24×3

$$\begin{array}{r} 20 \times 3 = 60 \\ 4 \times 3 = 12 \\ \hline 72 \end{array}$$

2. Short multiplication 2 digit by 1 digit

$$\begin{array}{r} 24 \\ 3 \times \\ \hline 72 \end{array}$$

Division -

1. Mentally divide

2. Bus stop 2 by 1 digit

$$48 \div 4 = 4 \overline{) 48}$$

Year 4

Addition & Subtraction - 1. Column method with up to 4 digits

Multiplication -

1. Short multiplication 2 & 3 digit by 1 digit

4 digit by 1 digit?

$$\begin{array}{r} 63 \\ 4 \times \\ \hline 252 \end{array} \quad \begin{array}{r} 572 \\ 3 \\ \hline 1716 \end{array}$$

Division -

1. Bus stop method; 2 & 3 digit by 1 digit

$$4 \overline{) 52} \quad 6 \overline{) 726}$$

Year 5

Addition & Subtraction - 1. Column method, more than 4 digits

Multiplication -

1. Short multiplication up to 4 digits by 1 digit

2. Long multiplication 2 digit by 2 digit

$$\begin{array}{r} 6714 \\ \times 3 \\ \hline 20142 \end{array}$$

$$\begin{array}{r} 52 \\ 61 \\ \hline 3172 \end{array}$$

Division -

1. Bus stop method, up to 4 digit by 1 digit (with remainders)

$$6 \overline{) 7145} \text{ r } 1$$

Year 6

Addition & Subtraction - 1. Column method, more than 4 digits

Multiplication - 1. Long multiplication, up to 4 digits by 2 digit whole number

Division - 1. Short division, up to 4 digits by 2 digit with remainders (where appropriate)

$$\begin{array}{r} 6124 \\ 13 \\ \hline 18372 \\ \hline 61240 \\ \hline 79612 \end{array}$$

2. Long division, up to 4 digits by 2 digit with remainders

- 15
- 30
- 45
- 60
- 75
- 90
- 105
- 120
- 135
- 150

$$\begin{array}{r} 056r13 \\ 15 \overline{) 853} \\ \underline{-75} \\ 103 \\ \underline{-90} \\ 13 \\ 56r13 \end{array} \quad \text{F M S B}$$