

Year 5 —Written calculation policy

ADDITION

- Put each digit in a square.
- Use the correct columns.
- Any whole number with more than 4 digits



Formal Column method:

- Formal method with or without regrouping
- Strike through carry once included in answer.

$$\begin{array}{r} 12,462 \\ + 2,349 \\ \hline 14,811 \end{array}$$

- Use these methods to add decimals up to 3 decimal places.
- Line up the decimal point
- Zero can be added to blank columns to aid understanding as it doesn't change the value.

$$\begin{array}{r} 24.090 \\ + 7.137 \\ \hline 31.227 \end{array}$$

SUBTRACTION

- Put each digit in a square.
- Use the correct columns.
- Up to 4 digit num



Column Involving regrouping:

$$\begin{array}{r} 6,912 \\ - 468 \\ \hline 6,234 \end{array}$$

- Use these methods to subtract decimals up to 3 decimal places
- Zero can be added to blank columns to aid understanding as it doesn't change the value.

$$\begin{array}{r} 7.546 \\ - 1.180 \\ \hline 6.376 \end{array}$$



- Use constant difference when a subtraction would involve a lot of exchanging.

$$\begin{array}{r} 3.12 \\ - 3.11 \\ \hline 0.01 \end{array}$$

$$\begin{array}{r} 14,910 \\ - 3,120 \\ \hline 11,790 \end{array}$$

$$\begin{array}{r} 14.99 \\ - 3.11 \\ \hline 11.88 \end{array}$$

MULTIPLICATION

- Put each digit in a square.
- Use the correct columns.
- Up to 4 digit numbers by 1 or 2 digit numbers



Short multiplication

$$\begin{array}{r} 546 \\ \times 3 \\ \hline 1638 \end{array}$$

Long Multiplication

$$\begin{array}{r} 32 \\ \times 32 \\ \hline 96 \\ 640 \\ \hline 1024 \end{array}$$



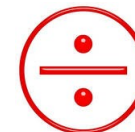
$$\begin{array}{r} 256 \\ \times 7 \\ \hline 1792 \end{array} \quad (256 \times 7)$$

$$\begin{array}{r} 256 \\ \times 10 \\ \hline 2560 \end{array} \quad (256 \times 10)$$

$$\begin{array}{r} 4352 \\ \times 1 \\ \hline 4352 \end{array}$$

DIVISION

- Put each digit in a square.
- Up to 4 digit numbers by 1 digit numbers



Short division

$$\begin{array}{r} 039 \\ 4 \overline{)1536} \end{array}$$

Short division with remainders

$$\begin{array}{r} 57r2 \\ 8 \overline{)458} \end{array}$$

Express remainders appropriately for context:

- 57 people 2 person left over. So 58 cars will be needed.
- or as a fraction - $57\frac{2}{8}$
- or as a decimal e.g £458 divided between 8 people = £57.25 each

$$\begin{array}{r} 57.25 \\ 8 \overline{)458.00} \end{array}$$

