

Year 4—Written calculation strategies

ADDITION

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



Compact Column:

- Formal method with or without exchanging in 100s, 10s and 1s
- Strike through carry once included in answer.

$$\begin{array}{r} 2767 \\ + 2485 \\ \hline 5252 \end{array}$$

1 1 1

$$\begin{array}{r} 2341 \\ + 942 \\ \hline 84 \\ 3367 \end{array}$$

1 1

- Use these methods to add decimals to decimal places in a practical context e.g. money



SUBTRACTION

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



Column Involving exchanging:

$$\begin{array}{r} 3812 \\ - 67 \\ \hline 325 \end{array}$$



$$\begin{array}{r} 6712 \\ - 468 \\ \hline 6234 \end{array}$$

- Use these methods to subtract decimals to decimal places in a practical context e.g. money

$$\begin{array}{r} £25.46 \\ £11.80 \\ \hline £13.66 \end{array}$$

MULTIPLICATION

- Put each digit in a square.
- Use the correct columns.
- 2 or 3 digit by 1 digit numbers



Expanded column method

$$\begin{array}{r} 546 \\ \times 3 \\ \hline 18 \text{ (3} \times 6\text{)} \\ 120 \text{ (3} \times 40\text{)} \\ 1500 \text{ (3} \times 500\text{)} \\ \hline 1638 \end{array}$$

Short formal method

$$\begin{array}{r} 546 \\ \times 3 \\ \hline 1638 \\ 11 \end{array}$$



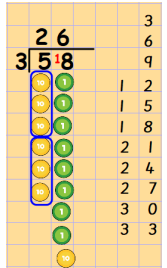
DIVISION

- Put each digit in a square.
- 2 or 3 digit by 1 or 2 digit numbers

Short division



$$\begin{array}{r} 26 \\ 3 \overline{) 518} \end{array}$$



$$\begin{array}{r} 039 \\ 4 \overline{) 11536} \end{array}$$

$$\begin{array}{r} 07r9 \\ 12 \overline{) 993} \end{array}$$

