Addition

Y5

- Continue to use columnar addition, adding numbers with more than 4 digits.

$$\begin{array}{r} 3\ 2879 \\ +\ 3\ 5987 \\ \hline 6\ 8866 \\ \hline \end{array}$$

- Addition of money and decimals.

$$\begin{array}{r} £23.59 \\ +\ £7.55 \\ \hline £31.14 \\ \hline \end{array}$$

$$\begin{array}{r} 19.01 \\ 3.65 \\ +\ 0.7 \\ \hline 23.36 \\ \hline \end{array}$$

National Curriculum requirements:
Add whole numbers with more than 4 digits, using the formal written method of columnar addition.

Subtraction

Y5

- Continue with compact columnar subtraction, including subtraction of decimals.

$$\begin{array}{r} {}^{2}\not{3}\,{}^{10}\not{1}\,{}^{1}0\,{}^{5}\not{3}\,{}^{1}6 \\ -\ \ 2128 \\ \hline 28,928 \\ \hline \end{array}$$

$$\begin{array}{r} {}^{6}\not{7}\,{}^{10}\not{1}\,{}^{1}6\,{}^{8}\not{9}\cdot{}^{1}0 \\ -\ \ 372.5 \\ \hline 6796.5 \\ \hline \end{array}$$

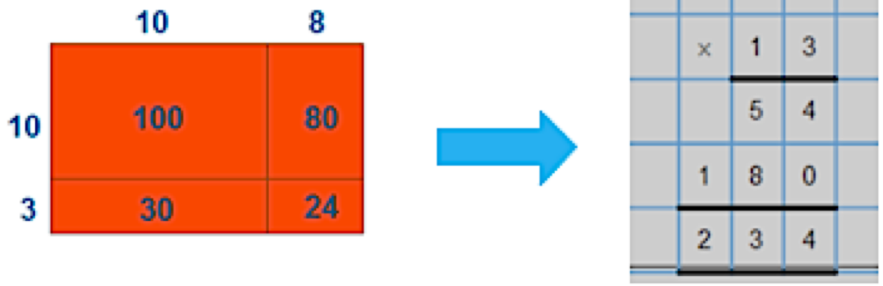
- Use rounding to check answers to calculations and to determine, in the context of a problem, levels of accuracy.

National Curriculum requirements:
Subtract numbers with more than 4 digits.

Multiplication

Y5

- Recall and use multiplication tables up to 12x12 (Including multiplying by 0 and 1).
- Continue to practise short multiplication.
- Use Grid Method to introduce long multiplication.



National Curriculum requirements:
Multiply numbers up to 4 digits by a 1 digit number using the formal written method of short multiplication.

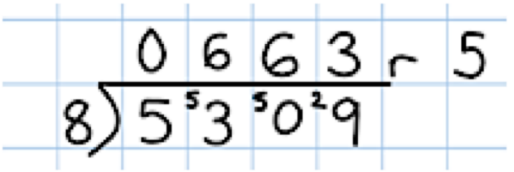
Multiply numbers up to 4 digits by a 2 digit number using the formal written method of long multiplication.

Multiple whole numbers and those involving decimals by 10, 100, 1000.

Division

Y5

Consolidate the use of the formal written method of short division.



National Curriculum requirements:
Divide 2 digits by 1 digit.
Divide 3 digits by 1 digit.
Divide 4 digits by 1 digit.

Children interpret the remainders appropriately for the context.
e.g. as fractions, decimals or by rounding
98÷4 = 98/4 = 24r2 = 24 ½ = 24.5 rounded to 25

Divide whole numbers and those involving decimals by 10, 100, 1000.