

National Curriculum Programme of Study;

- subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction)
- pupils use all four operations in problems involving money



Y5

Subtraction

BY THE END OF YEAR 5...

By the end of Year 5, children will be able to show their understanding as;

$$\begin{array}{r}
 \begin{array}{cccccc}
 & 5 & & 1 & & 2 & & 1 \\
 4 & \cancel{6} & & 1 & & \cancel{3} & & 2 \\
 - & 2 & & 3 & & 5 & & 2 & & 8 \\
 \hline
 2 & 2 & & 6 & & 0 & & 4
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccccc}
 & 4 & & 11 & & 1 & & 2 & & 1 \\
 1 & \cancel{5} & & \cancel{2} & & 1 & & . & & \cancel{3} & & 0 & & 4 \\
 - & & & 3 & & 7 & & 9 & & . & & 0 & & 8 & & 3 \\
 \hline
 1 & 1 & & 4 & & 2 & & . & & 2 & & 2 & & 1
 \end{array}
 \end{array}$$

Following on from Year 4...

Formal column subtraction, including subtraction of mixed decimal numbers in a range of contexts

Children should continue to use the place value counters, in columns, to support their conceptual understanding of subtraction and the place value of larger and smaller numbers (to 3 decimal places).

Teachers should ensure they include examples in context as well as those requiring the subtraction of several numbers and different numbers of decimal places.

£42.38 - £14.85

$$\begin{array}{r}
 \begin{array}{cccccc}
 & 3 & & 11 & & 1 \\
 \cancel{4} & \cancel{2} & & . & & 3 & & 8 \\
 - & 1 & & 4 & & . & & 8 & & 5 \\
 \hline
 2 & 7 & & . & & 5 & & 3
 \end{array}
 \end{array}$$

A farmer erects four vertical fence posts at 24.3m, 7.07m, 15.86m and 4.82m from his house. What is the distance between each of the posts where the farmer will need to place his fencing?

E.g. 24.3m – 15.86m = 8.44m between the two posts that are furthest from the house

$$\begin{array}{r}
 \begin{array}{cccccc}
 & 1 & & 13 & & 12 & & 1 \\
 \cancel{2} & \cancel{4} & & . & & \cancel{3} & & 0 \\
 - & 1 & & 5 & & . & & 8 & & 6 \\
 \hline
 0 & 8 & & . & & 4 & & 4 & & \text{m}
 \end{array}
 \end{array}$$