

ADDITION +

Year 6 Add several numbers of increasing complexity

including money, measure and decimals with different numbers of decimal places

$$\begin{array}{r}
 23.361 \\
 9.080 \\
 59.770 \\
 + 1.300 \\
 \hline
 93.511
 \end{array}$$

Tenths, hundredths and thousandths should be correctly aligned, with the decimal point aligned vertically, including in the answer.

Empty decimal places can be filled to with zero to show the place value of each column

Use compact column method to add in context of money, measures, including decimals with different numbers of decimal places.

Pupils should apply their knowledge of a range of mental strategies, mental recall skills, informal and formal written methods when selecting the appropriate method to work out addition problems. Opportunities to discuss the appropriateness of methods need to be planned for.

$$\begin{array}{r}
 81.059 \\
 3.668 \\
 15.301 \\
 + 20.551 \\
 \hline
 120.579
 \end{array}$$

Key vocabulary add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, units, partition, addition, column, tens boundary, hundreds boundary, increase, vertical, 'carry', expanded, compact, thousands, hundreds, digits, inverse, decimal places, decimal point, tenths, hundredths, thousandths.

Key Skills for addition at Year 6

- Add mentally with confidence using larger numbers and calculations of increasing complexity
- Add several large numbers using written addition
- Add several large or decimal numbers using written addition
- Perform mental calculations, including with mixed operations and large numbers, using a range of strategies
- Solve multi-step problems
- Use estimation and inverse to check the validity of an answer