

Addition of Numbers Beyond 4 digits using Compact Columnar Addition

The key to success for this method is to record the digits in columns, ensuring the decimal points are directly in line with each other.

Add the digits in the columns, starting with the units (ones).

Record any carrying below the total.

$$\begin{array}{r} 172.83 \\ + \underline{54.68} \\ \hline 227.51 \\ \hline 1 \ 1 \ 1 \end{array}$$

Place value counters can be used alongside the columnar method to develop understanding of addition with decimal numbers.