

### Challenge 13: Wordy Sums

Each letter in the addition calculation below represents a different digit.

$$\begin{array}{r} \text{DOUBLE} \\ \text{DOUBLE} \\ + \text{TOIL} \\ \hline \text{TROUBLE} \end{array}$$

Note that letters are consistent: for example, the letter “B” appears in the calculation three times, and it represents the same digit on each occasion.