

# Exercise – Encryption Modelling

$$\begin{array}{rcccc} & S & E & N & D \\ + & M & O & R & E \\ \hline M & O & N & E & Y \end{array}$$

Formulate this as a CSP

- Each of the eight letters S, E, N, D, M, O, R, Y represents a unique digit
  - i.e. each letter takes a number between 0 and 9 and no two letters represent the same number.
- When the letters are substituted by the numbers that they represent, the arithmetic shown holds.
- The task is to find out what digit each letter represents.