

Each of the different letters below stands for a different number.

$$\begin{array}{r} \text{TWO} \\ + \text{TWO} \\ \hline \text{FOUR} \end{array}$$

How many solutions can you find to this cryptarithm?

How can you be sure you have found them all?

Can you create other similar cryptarithms?

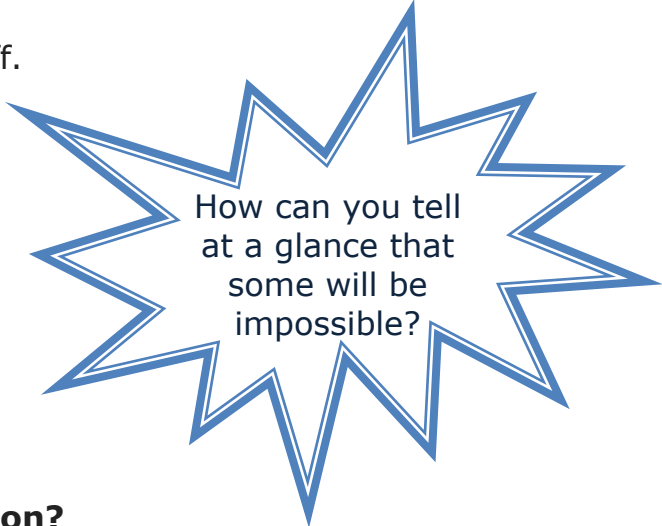
Here are some suggestions to start you off.

$$\text{ONE} + \text{ONE} = \text{TWO}$$

$$\text{ONE} + \text{TWO} = \text{THREE}$$

$$\text{ONE} + \text{THREE} = \text{FOUR}$$

$$\text{FOUR} + \text{FIVE} = \text{NINE}$$



How can you tell
at a glance that
some will be
impossible?

Can you make a cryptarithm subtraction?