

## Properties of Addition



Addition has 3 magical properties:

### 1. Magic of Order

Try and shuffle orders of addends but the sum will remain same.

#### Example 1:

$$\begin{array}{r} 1 \ 4 \\ 1 \ 2 \\ + \quad 9 \\ \hline 3 \ 5 \end{array} \text{ OR } \begin{array}{r} 1 \ 2 \\ 1 \ 4 \\ + \quad 9 \\ \hline 3 \ 5 \end{array} \text{ OR } \begin{array}{r} \quad \quad 9 \\ \quad \quad 1 \ 4 \\ + \quad 1 \ 2 \\ \hline 3 \ 5 \end{array}$$



### 2. Magic of One (1)

When 1 is added to any number we get next number.

#### Example 2:

$$\begin{array}{r} 8 \\ + \ 1 \\ \hline 9 \end{array} \qquad \begin{array}{r} 1 \ 1 \\ + \quad 1 \\ \hline 1 \ 2 \end{array}$$



### 3. Magic of Zero (0)

When 0 is added to any number answer remains the same.

#### Example 3:

$$\begin{array}{r} 9 \\ + \ 0 \\ \hline 9 \end{array} \qquad \begin{array}{r} 1 \ 4 \ 1 \\ + \quad \ 0 \\ \hline 1 \ 4 \ 1 \end{array}$$