

Example

Add 12 and 15.

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 1 \quad 2 \\
 + 1 \quad 5 \\
 \hline
 2 \quad 7
 \end{array}$$

Method :

Step 1 : Write the tens digit below tens' column and the ones digit below ones' column.

Step 2 : First, add the ones together and write below ones' column.

$$2 \text{ ones} + 5 \text{ ones} = 7 \text{ ones}$$

Step 3 : Then, add the tens together and write below tens' column.

$$1 \text{ ten} + 1 \text{ ten} = 2 \text{ tens}$$

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Exercise

Add the following.

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 3 \quad 5 \\
 + 1 \quad 2 \\
 \hline
 4 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 1 \quad 3 \\
 + 2 \quad 5 \\
 \hline
 3 \quad 8
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 5 \quad 4 \\
 + 3 \quad 2 \\
 \hline
 8 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 4 \quad 2 \\
 + 3 \quad 5 \\
 \hline
 7 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 2 \quad 3 \\
 + 2 \quad 0 \\
 \hline
 1 \quad 3
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 4 \quad 4 \\
 + 2 \quad 2 \\
 \hline
 6 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 2 \quad 5 \\
 + 3 \quad 3 \\
 \hline
 5 \quad 8
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 5 \quad 5 \\
 + 2 \quad 2 \\
 \hline
 7 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 7 \quad 2 \\
 + 2 \quad 0 \\
 \hline
 9 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 6 \quad 0 \\
 + 2 \quad 0 \\
 \hline
 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 3 \quad 3 \\
 + 1 \quad 1 \\
 \hline
 4 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 7 \quad 9 \\
 + 2 \quad 0 \\
 \hline
 9 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 7 \quad 6 \\
 + 1 \quad 1 \\
 \hline
 8 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 9 \quad 5 \\
 + 0 \quad 2 \\
 \hline
 9 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 8 \quad 5 \\
 + 1 \quad 0 \\
 \hline
 9 \quad 5
 \end{array}$$

Example 2

Add 13, 24 and 35.

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 1 \quad 3 \\
 2 \quad 4 \\
 + \quad 3 \quad 5 \\
 \hline
 \text{7} \quad 2
 \end{array}$$

Step 1 : Add the ones together.

$$3 \text{ ones} + 4 \text{ ones} + 5 \text{ ones} = 12 \text{ ones}$$

$$\begin{aligned}
 12 \text{ ones} &= 10 \text{ ones} + 2 \text{ ones} \\
 &= 1 \text{ ten} + 2 \text{ ones}
 \end{aligned}$$

Write 2 under ones' column and carry over 1 ten to the tens' column.

Step 2 : Add the tens together including the carry over.

$$\begin{aligned}
 1 \text{ ten} + 2 \text{ tens} + 3 \text{ tens} + 1 \text{ ten} &\text{ (carry over)} \\
 &= 7 \text{ tens}
 \end{aligned}$$

Write 7 under tens' column.

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Add the following by regrouping.

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 8 \quad 6 \\
 + \quad 1 \quad 5 \\
 \hline
 10 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 4 \quad 7 \\
 + \quad 4 \quad 5 \\
 \hline
 9 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 3 \quad 5 \\
 + \quad 4 \quad 6 \\
 \hline
 8 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 7 \quad 5 \\
 + \quad 1 \quad 5 \\
 \hline
 9 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 7 \quad 5 \\
 + \quad 1 \quad 6 \\
 \hline
 9 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 5 \quad 7 \\
 + \quad 1 \quad 3 \\
 \hline
 7 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 3 \quad 9 \\
 + \quad 2 \quad 7 \\
 \hline
 6 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 5 \quad 8 \\
 + \quad 1 \quad 8 \\
 \hline
 7 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 5 \quad 5 \\
 + \quad 0 \quad 7 \\
 \hline
 6 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 1 \quad 9 \\
 + \quad 1 \quad 7 \\
 \hline
 3 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 4 \quad 3 \\
 1 \quad 4 \\
 + \quad 2 \quad 3 \\
 \hline
 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 2 \quad 3 \\
 3 \quad 5 \\
 + \quad 3 \quad 6 \\
 \hline
 9 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 1 \quad 4 \\
 4 \quad 5 \\
 + \quad 2 \quad 7 \\
 \hline
 8 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 2 \quad 2 \\
 5 \quad 5 \\
 + \quad 1 \quad 4 \\
 \hline
 9 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{T} \quad \text{O} \\
 \textcircled{1} \\
 3 \quad 8 \\
 1 \quad 4 \\
 + \quad 2 \quad 2 \\
 \hline
 7 \quad 1
 \end{array}$$