

Addition of Two 2-digit Numbers (without carry over)

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.

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

Ans. 27

Exercise

Add the following.

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

47

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

38

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

86

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

77

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

43

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

66

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

58

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

77

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

92

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

80

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

44

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

99

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

87

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

97

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

95

Example 2 Add 13, 24 and 35.

	T O
①	
1 3	
2 4	
+ 3 5	
7 2	

Step 1 : Add the ones together.

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

$$12 \text{ ones} = 10 \text{ ones} + 2 \text{ ones}$$

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

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

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

$$1 \text{ ten} + 2 \text{ tens} + 3 \text{ tens} + 1 \text{ ten (carry over)}$$

$$= 7 \text{ tens}$$

Write 7 under tens' column.

Ans. 72

Exercise

Add the following by regrouping.

H.W. 29.6.21

	T O
③	
8 6	
+ 1 5	
10 1	

	T O
①	
4 7	
+ 4 5	
9 2	

	T O
①	
3 5	
+ 4 6	
8 1	

	T O
④	
7 5	
+ 1 5	
9 0	

	T O
①	
7 5	
+ 1 6	
9 1	

	T O
①	
5 7	
+ 1 3	
7 0	

	T O
②	
3 9	
+ 2 7	
6 6	

	T O
①	
5 8	
+ 1 8	
7 6	

	T O
①	
5 5	
+ 0 7	
6 2	

	T O
①	
1 9	
+ 1 7	
3 6	

	T O
①	
4 3	
1 4	
+ 2 3	
8 0	

	T O
①	
2 3	
3 5	
+ 3 6	
9 4	

	T O
①	
1 4	
4 5	
+ 2 7	
8 6	

	T O
①	
2 2	
5 5	
+ 1 4	
9 1	

	T O
①	
3 8	
1 4	
+ 2 2	
7 4	