

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

## Example

Add 12 and 15.

T	O
1	2
+ 1	5
2	7

## 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.

T	O
3	5
+ 1	2
4	7

T	O
1	3
+ 2	5
3	8

T	O
5	4
+ 3	2
8	6

T	O
4	2
+ 3	5
7	7

T	O
2	3
+ 2	0
4	3

T	O
4	4
+ 2	2
6	6

T	O
2	5
+ 3	3
5	8

T	O
5	5
+ 2	2
7	7

T	O
7	2
+ 2	0
9	2

T	O
6	0
+ 2	0
8	0

T	O
3	3
+ 1	1
4	4

T	O
7	9
+ 2	0
9	9

T	O
7	6
+ 1	1
8	7

T	O
9	5
+ 0	2
9	7

T	O
8	5
+ 1	0
9	5

**Example 2** Add 13, 24 and 35.

	T	O
	⓪	
	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.

	T	O
	⓪	
	8	6
+	1	5
10		1

	T	O
	⓪	
	4	7
+	4	5
9		2

	T	O
	⓪	
	3	5
+	4	6
8		1

	T	O
	⓪	
	7	5
+	1	5
9		0

	T	O
	⓪	
	7	5
+	1	6
9		1

	T	O
	⓪	
	5	7
+	1	3
7		0

	T	O
	⓪	
	3	9
+	2	7
6		6

	T	O
	⓪	
	5	8
+	1	8
7		6

	T	O
	⓪	
	5	5
+	0	7
6		2

	T	O
	⓪	
	1	9
+	1	7
3		6

	T	O
	⓪	
	4	3
	1	4
+	2	3
8		0

	T	O
	⓪	
	2	3
	3	5
+	3	6
9		4

	T	O
	⓪	
	1	4
	4	5
+	2	7
8		6

	T	O
	⓪	
	2	2
	5	5
+	1	4
9		1

	T	O
	⓪	
	3	8
	1	4
+	2	2
7		4