

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

47

T	O
1	3
+ 2	5

38

T	O
5	4
+ 3	2

86

T	O
4	2
+ 3	5

77

T	O
2	3
+ 2	0

43

T	O
4	4
+ 2	2

66

T	O
2	5
+ 3	3

58

T	O
5	5
+ 2	2

77

T	O
7	2
+ 2	0

92

T	O
6	0
+ 2	0

80

T	O
3	3
+ 1	1

44

T	O
7	9
+ 2	0

99

T	O
7	6
+ 1	1

87

T	O
9	5
+ 0	2

97

T	O
8	5
+ 1	0

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.

	T O
	①
	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
	①
	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
	①
	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 5

	T O
	①
	2 2
	5 5
+	1 4
	9 1

	T O
	①
	3 8
	1 4
+	2 2
	7 4