

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

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
2	
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 6	

T	O
1	
2	2
5	5
+	1 4
9 1	

T	O
1	
3	8
1	4
+	2 2
7 4	