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 ones + 5 ones = 7 ones

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

1 ten + 1 ten = 2 tens

Ans. 27

Exercise

Add the following.

```
  T O          T O          T O          T O          T O
  3 5          1 3          5 4          4 2          2 3
+ 1 2        + 2 5        + 3 2        + 3 5        + 2 0
-----        -----        -----        -----        -----
  4 7          3 8          8 6          7 7          4 3
```

```
  T O          T O          T O          T O          T O
  4 4          2 5          5 5          7 2          6 0
+ 2 2        + 3 3        + 2 2        + 2 0        + 2 0
-----        -----        -----        -----        -----
  7 7          5 8          7 7          9 2          8 0
```

```
  T O          T O          T O          T O          T O
  3 3          7 9          7 6          9 5          8 5
+ 1 1        + 2 0        + 1 1        + 0 2        + 1 0
-----        -----        -----        -----        -----
  4 4          9 9          8 7          9 7          9 5
```

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 ones + 4 ones + 5 ones = 12 ones
12 ones = 10 ones + 2 ones
= 1 ten + 2 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 ten + 2 tens + 3 tens + 1 ten (carry over)
= 7 tens
Write 7 under tens' column.   **Ans. 72**

Exercise

Add the following by regrouping.

T O	T O	T O	T O	T O
①	①	①	①	①
8 6	4 7	3 5	7 5	7 5
+ 1 5	+ 4 5	+ 4 6	+ 1 5	+ 1 6
101	91	81	90	91

T O	T O	T O	T O	T O
①	①	①	①	①
5 7	3 9	5 8	5 5	1 9
+ 1 3	+ 2 7	+ 1 8	+ 0 7	+ 1 7
70	66	76	62	36

T O	T O	T O	T O	T O
①	①	①	①	①
4 3	2 3	1 4	2 2	3 8
1 4	3 5	4 5	5 5	1 4
+ 2 3	+ 3 6	+ 2 7	+ 1 4	+ 2 2
80	94	86	91	74