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

H.W
28.6.21

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
-------       -------       -------       -------       -------
  6  6          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**

H.W
28.6.21

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 │          │ 9 2 │          │ 8 1 │          │ 4 0 │          │ 9 1 │
└─────┘          └─────┘          └─────┘          └─────┘          └─────┘
```

```
  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
┌─────┐          ┌─────┐          ┌─────┐          ┌─────┐          ┌─────┐
│ 7 0 │          │ 6 6 │          │ 7 6 │          │ 6 2 │          │ 3 6 │
└─────┘          └─────┘          └─────┘          └─────┘          └─────┘
```

```
  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
┌─────┐          ┌─────┐          ┌─────┐          ┌─────┐          ┌─────┐
│ 8 0 │          │ 9 4 │          │ 8 6 │          │ 9 1 │          │ 7 4 │
└─────┘          └─────┘          └─────┘          └─────┘          └─────┘
```