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.
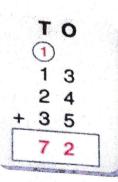
1 ten + 1 ten = 2 tens

Ans. 27

Exercise

Add the following.

```
  T  O
  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
  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.
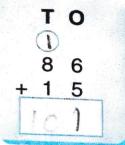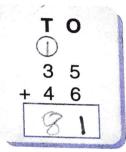1 ten + 2 tens + 3 tens + 1 ten (carry over)
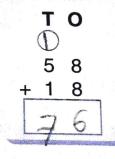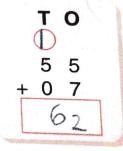   = 7 tens
Write 7 under tens' column.   **Ans. 72**

Exercise

Add the following by regrouping.

```
  T O           T O           T O           T O           T O
  ①             ⟍             ①             ①             ①
  8 6           4 7           3 5           7 5           7 5
+ 1 5         + 4 5         + 4 6         + 1 5         + 1 6
  ────          ────          ────          ────          ────
  10 1          9 2           8 1           9 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
  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
```