EXERCISE – 1.2

COMARISION OF NUMBERS: -

To compare two natural numbers, we adopt the following steps:

STEP – 1:

If the number of digits in the given numbers is unequal then the numbers having more digits is greater.

e.g.: Consider the number

53757 ⟶ (The number of digits = 5)

400381 ⟶ (The number of digits = 6)

Therefore, **400381 > 53757**

STEP – 2:

If the number of digits in the given numbers is equal, then compare the digits at the highest place; the number having greater digits is greater.

If the digits at the highest place are equal, then compare the digits at the next highest place, the number having greater digits will be greater digits will be greater, and so on.

e.g.: Consider the number

46301 ⟶ (The number of digits = 5)

49012 ⟶ (The number of digits = 5)

Since, both the numbers have same digits at the highest place i.e. **4**

The digits in the 2nd highest place in 46301 = 6

The digits in the 2nd highest place in 49012 = 9

As 9 > 6, therefore **49012 > 46301**

FORMATION OF NUMERS:

We can form numbers from the given digits with or without repetition of digits

Example:

Write all possible 2 digits numbers that can be formed by using the digits 2, 7 and 9. When repetition of digits is not allowed

Solution:

Out of the given digits the possible way of choosing two digits are:

2,7 ; 2,9 ; 7,9

TENS	ONES
2	7
7	2
2	9
9	2
7	9
9	7

Hence, all possible 2 digits numbers are:

⇒ **27, 72, 29, 92, 79 and 97**

Assignment:

Exercise: 1.2