## **Comparison of Numbers**

In order to compare two given numbers, we have to find, which of the given two numbers is greater or less than the other.

## 1. Comparison of two numbers with different number of digits:

When we are given two numbers not having the same number of digits. Then the number with more digits is the greater of the two.

**Example 1:** Compare the numbers 75 and 269.

**Solution:** 75 has 2 digits while 269 has 3-digits.

We know that the number with more digits is the greater of the two.

So, **269 > 75**.

## 2. Comparison of two numbers with same number of digits:

Comparison of two 3-digit numbers.

- **Step 1**: Compare the digit at the hundreds place. The number with the greater digit at the hundreds place is the greater of the two.
- **Step 2:** If the digits at the hundreds place are equal, then the number with the greater digit at the tens place is greater.
- **Step 3**: If the digits at hundreds place are equal and the digits at the tens place are also equal, then the number with the greater digit at the ones place is greater.

Example 2: Compare the numbers 789 and 386.
Solution: 789 and 386 both have 3-digits.
Let us compare their digits at the hundreds place.
In 789 the digit at hundreds place is 7.
In 386, the digit at hundreds place is 3.
And, 7 > 3

**↔** 789 > 386.

