

Comparison of Numbers



In everyday life, we always come across numbers and we often have to compare them and make a decision.

It would be depending on two things:

(i) Number of digits (ii) Place value of digits

Now, Let us learn how we can compare numbers.



Numbers of Digits are Different

Step 1: Count the total number of digits in each number.

Step 2: The number having more number of digits is the greater one.

Step 3: The number having less number of digits is the smaller one.



Let's understand with an example: -

1. Which one is greater, 8752 or 35701?

Step 1: Number of digits in 8752 is 4.

Number of digits in 35701 is 5.

Step 2: Since the number of digits in the number 35701 is more than that in 8752 therefore, 35701 is greater than 8752.

Comparison of Numbers

Numbers of Digits are same

Step 1: Compare the leftmost digits in the two numbers.

Step 2: The number with greater leftmost digit is greater.

Step 3: In case, the leftmost digits are same, compare the next left digits in both the numbers.

Step 4: The number with the greater digit is greater.

Step 5: In case these digits are also the same, repeat step 3 and step 4 till you get the answer.

Let's understand with an example:

1. Which one is greater, 8765 or 8774?

Solution:

8	7	6	5			8	7	7	4
				8	=	8			
				7	=	7			
				6	<	7			

Step 1: Leftmost digits are the same, i.e., $8=8$

Step 2: Next left digits are also the same, i.e., $7=7$

Step 3: The next left digit 6 in 8765 is less than the corresponding left digit 7 in 8774. Therefore, 8774 is greater than 8765.