

## COMPARING AND ORDERING NUMBERS

### Greater Than or Less Than:

When you are comparing numbers to decide which is greater you need to:

1. Look at the digit in the **HIGHEST place** in both numbers. The highest place is the farthest digit on the LEFT in the number.

**Example:** Look at these two numbers: 934,901 765,436

They each have a digit in the HUNDRED THOUSANDS place:



You can

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2. If the two numbers you are comparing that have the same digit in the same highest place, then you need to look at the **next place**.

**Example:**

6,740 6,891: Both of these numbers have a 6 in the THOUSANDS place

6,740 6,891: So we need to look to the HUNDREDS place.

$$6,740 < 6,891$$

3. When comparing two numbers, if one number has a digit in a **HIGHER** place than the other number, you know that number is **GREATER**.

**Example:**

**7**6,902      9,876

The first number has a digit (**7**) in the **TEN THOUSANDS** place.

The second number does **NOT** have a number in the **TEN THOUSANDS** place.

We automatically know then that **7**6,902 is GREATER than 9,876.

**7**6.902 > 9.876



**PREVIEW**

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