

# ORDERING NUMBERS

## A COMPARE NUMBERS

### Definition Comparing Numbers

**Comparing** is looking at two or more numbers to see which is greater (bigger), less (smaller), or if they are equal (the same amount).

### Definition Comparison Symbols

We use special symbols to write down our comparisons:

Symbol	Meaning	Example
=	is equal to	4 = 4
>	is greater than	4 > 2
<	is less than	3 < 5

### Helpful Trick: The Alligator Mouth

Think of the > and < symbols as a hungry alligator's mouth. The alligator always wants to eat the **bigger** number!

  
 $4 > 2$                        $3 < 5$

The open mouth always faces the bigger number.

## B HOW TO COMPARE 3-DIGIT NUMBERS

### Method Comparing 3-Digit Numbers

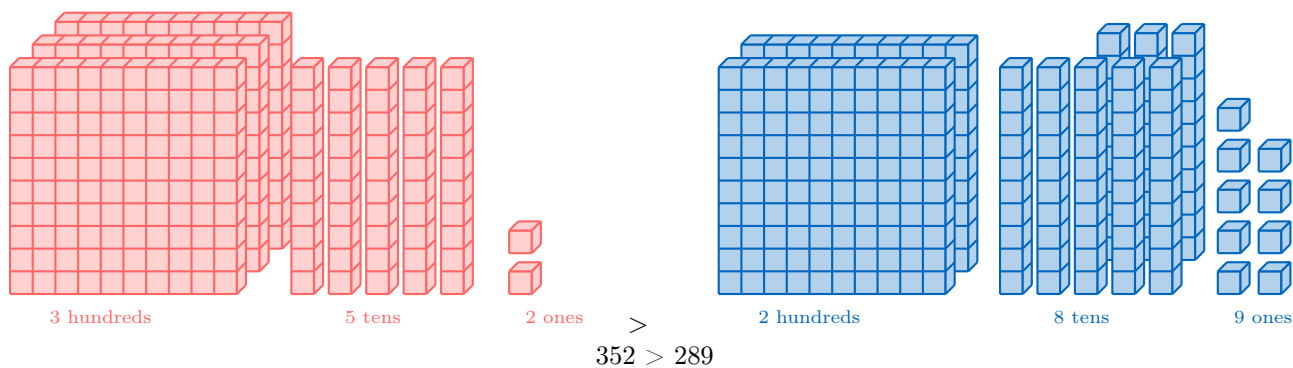
To compare numbers, we always start by looking at the place with the biggest value. For 3-digit numbers, this is the **hundreds** place!

- **Step 1: Compare the Hundreds place.** Look at the digit in the hundreds place. The number with more hundreds is the greater number.
- **Step 2: Compare the Tens place (if needed).** If the hundreds are the **same**, then you look at the tens place. The number with more tens is the greater number.
- **Step 3: Compare the Ones place (if needed).** If the hundreds AND the tens are the **same**, then you look at the ones place. The number with more ones is the greater number.

**Ex:** Compare 352 and 289.

*Answer:*

- **Step 1: Compare the Hundreds.**
  - The number 352 has **3 hundreds**.
  - The number 289 has **2 hundreds**.
- Since 3 hundreds is more than 2 hundreds, we know that **352 is greater than 289**. We don't need to look at the tens or ones.



**Ex: Compare 461 and 438.**

*Answer:*

- **Step 1: Compare the Hundreds.**
  - The number 461 has **4 hundreds**.
  - The number 438 has **4 hundreds**.
- The hundreds are the same! So, we must move to the next step.
- **Step 2: Compare the Tens.**
  - The number 461 has **6 tens**.
  - The number 438 has **3 tens**.
- Since 6 tens is more than 3 tens, we know that **461 is greater than 438**.

