## ィーーーーーーーーーーーー， Comparing Whole I Numbers <br> I

## Review



Let's review the ways to write our number!
| Word form: seven million, four hundred eighty-two, three hundred ninety-one Expanded form: 7,000,000 + 400,000 + | $80,000+2,000+300+90+1$ I
" Expanded notation: - $(7 \times 1,000,000)+(4 \times 100,000)+(8 \times 10,000)+(2 x$

I 1,000$)+(3 \times 100)+(9 \times 10)+(1 \times 1)$
I

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## Comparing Whole Numbers

## Objectives:

Students will:

- Identify multi-digit whole numbers up into the millions place,
- Be able to compare two multi-digit numbers based on the digits in each place, using $>,=$, and < symbols to record the results of comparisons.


## Comparing Whole Numbers

What does it mean to compare?
To compare means to look for similarities or differences between two different things (or numbers).

- <less than :
the number on the left has a value less
than the number on the right
- > greater than
the number on the left has a value
greater than the number on the right
- = equal to

The numbers have the same exact value

$3>2$
3 is greater than 2
Remember how to compare! Gary Gator always wants to "eat" the bigger number!

## How to Compare Numbers using Place Value

We can use place value to visualize how to compare large numbers

1. Compare the numbers in their designated periods
2. Look at the highest place value and compare those numbers

$$
3,461,582 \underbrace{6,3}_{\text {is less than }} 4,358,761
$$

Millions Period
Thousands Period
Hundreds Period

| Hundreds | Tens | Ones | Hundreds | Tens | Ones | Hundreds | Tens | Ones |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 3 | 4 | 6 | 1 | 5 | 8 | 2 |  |
|  | 4 | 3 | 5 | 8 | 7 | 6 | 1 |  |

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## Look at the place values to compare the numbers!



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## Let's try another one!

## 946,109



## 947,604

Is less than


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- Look at the highest place value where there's a difference to compare the large numbers



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