

# Comparing and Ordering Decimals

## Comparing Two Numbers:

1. Draw a Place Value Chart (PVC)
2. Line up the decimal points in PVC
3. Start comparing from left  $\rightarrow$  right
4. Write comparison BOTH ways!

Example: Compare 7.56 and 7.65  
using  $>$ ,  $<$  or  $=$

T	O	.	tenths	hundredths
	7	.	5	6
	7	.	6	5

$$7.65 > 7.56$$

7.65 is greater than 7.56

$$7.56 < 7.65$$

7.56 is less than 7.65

Start here!  
The 7's are the same so go to the right  $\rightarrow$

6 is greater than 5 so the number on the bottom is greater.



Eats the greater number!

## Ordering Many Numbers:

1. Follow the same steps from above!
2. Fill in any empty place values with 0's
3. Pay attention to ordering:

Example:

Put these numbers in order from greatest to least.

25.7      25.07      27.13

Least  $\rightarrow$  Greatest

OR

Greatest  $\rightarrow$  Least

T	O	.	tenths	hundredths
2	5	.	7	0
2	5	.	0	7
2	7	.	1	3

Same!

7 is greater so the bottom number is the greatest – now move to the right because the 5's are the same

7 is greater than 0 so the top number is the next greatest

Answer:

27.13      25.7      25.07