

Name: _____

Comparing & Ordering Decimals

All numbers have value. You can compare the value of two numbers by using the following symbols:

Greater Than >	Less Than <	Equal To =
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Follow these steps to compare two numbers.

Step 1: Line up the numbers according to place value.

$$\begin{array}{r} 12.4 \\ 12.39 \end{array}$$

Step 2: Compare the numbers in each place starting with the largest.

Start here
 1 = 1
 2 = 2
 4 is more than 3
 So, ...
 12.4 is greater than 12.39

$$\begin{array}{r} 12.4 \\ 12.39 \end{array}$$

Step 3: Use the symbols to show the relationship between the two numbers

$$12.4 > 12.39$$

12.4 is greater than 12.39

To order a group of numbers, you complete steps 1-3 with more than 2 numbers.

Start here
 3 = 3
 4 is more than 3 (3.45 is the greatest)
 9 is greater than nothing (3.39 is next largest)
 So, ...
 3.45 is greater than 3.39 which is greater than 3.3

$$\begin{array}{r} 3.45 \\ 3.39 \\ 3.3 \end{array}$$

COMPARING & ORDERING DECIMALS

Instructions: Using comparative symbols, compare the following. Write each statement below in word form.

1) 67.88 67.8

2) 17.346 $17\frac{3}{5}$

3) 0.733 $0.7\overline{33}$

4) 5.421 5.4210

5) 0.0084 0.084

Instructions: Arrange the following in ascending order

- 1) 19.55, 19.055, 19.05, 19.5, 19.005

Ans: _____

- 2) 3.14, 31.4, 0.314, $3\frac{2}{4}$, 3.141

Ans: _____

- 3) 2.0867, 0.28677, 28.067, 0.2867, 2.867

Ans: _____

Instructions: Arrange the following in descending order

- 1) $\frac{3}{6}$, 0.35, 0.045, $\frac{1}{3}$, 0.035

Ans: _____

- 2) 0.44, 0.044, 0.040, $\frac{3}{2}$, 1.05

Ans: _____