Name _____   Date _____

Compare Two Decimals To Thousandths - Guided Lesson Explanation

Explanation to #1

Step 1a) Identify what is being asked of you.

"Compare the numbers"

Step 2a) 0.056 _____ 0.070

Units	Decimal Point	Tenths	Hundredth	Thousandths
0	.	0	5	6
0	.	0	7	0

Step 3a) Compare the digits, starting with tenths, hundredths, and thousandths.

The hundredth digit in 0.056 is less than the hundredth digits in 0.070.

So, 0.056 is less than 0.070.

Answer is: 0.056 < 0.070.

Step 1b) First we look to see what is being asked of us.

"Compare the numbers"

Step 2b) 131.199 _____ 131.026

Units	Decimal Point	Tenths	Hundredth	Thousandths
131	.	1	9	9
131	.	0	2	6

Step 3b) The front of both numbers are the same. So start with tenths, hundredths, thousandths.

The tenth digit in 131.199 is greater than the tenth digit in 131.026.

131.199 is less than 131.026.

Answer is: 131.199 > 131.026.

Explanation to #2

Step 1) It is clear that they want to know what number is equivalent to 428.1240.

Step 2) Equivalent decimals have the same value.
       When you add zeroes to the right of a decimal, its value stays the same.

Step 3) So, the answer is 3) 428.124.

Explanation to #3

Identify what is being asked of you

Step 1) Put these numbers in order from least to greatest.

0.503, 0.53, 0.357, 1.57, 0.73

Step 2) I always like to spot the smallest and biggest numbers and let them be my guide. As I suspected, they stick out like a sore thumb.

0.503, 0.53, **0.357**, **1.57**, 0.73

So we know it will start out with the smallest and end in the largest number:

0.357 , _____, _____, _____, 1.57

We then have to order these numbers:

0.503 , 0.53 , 0.73

Smallest = 0.503   Largest = 0.73

We can now complete the order as"

0.357 , 0.503 , 0.53 , 0.73 , 1.57