

Name _____

Due on Wednesday, Oct. 7, 2015

Test on _____

Unit 3 Assessment REVIEW: Decimal Number Properties

1. Describe the difference between word form, standard form, and expanded notation. Give an example of each.

2. Name the following symbols, AND write how you remember what they mean.

< _____

> _____

= _____

3. The strategy I use to compare and order decimals is _____

Show an example of an inequality comparing decimals using any two numbers of your choice:

4. The strategy I use to round decimals is to _____

5. Write the given number in standard notation (hint: draw a blank for each place value from the greatest to the least place value):

$$(5 \times 100) + (7 \times 10) + (2 \times .1) + (6 \times .001)$$

Standard notation:

6. Given the following digits, write the least number possible in the blanks.

3, 8, 1, 6, 4 _____ . _____

7. Round the given numbers to the nearest tenth.

- 37.897 _____
- 37.5 _____
- 37.521 _____
- 37.95 _____

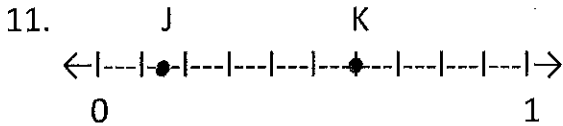
8. The time (in minutes) of three runners is given below. The judge begins by presenting the third prize and ends by presenting the first prize. Write the names of the runners in order from first to receive an award to last to receive an award.

Taylor	Kyle	Anthony
25.21	24.45	25.09

_____ , _____ , _____

9. A wooden board is 1.848 meters long. What is the value of the digit 4 in the number? (give your answer in word form)

10. The following number is written in expanded notation. How is this number written in standard form? $20 + 0.6 + 0.005 =$ _____



Label the value of the points on the number line. Write an inequality comparing point K and point J.

_____ _____
point K point J

12. How is three hundred thirty-nine and four hundred five thousandths written in standard notation?

13. To which place value is the number rounded?
4.355 to 4.4

14. The table below shows the weights of several different pumpkins at the pumpkin patch. Write the letters of the pumpkins in order from heaviest to lightest.

Pumpkin	Weight (pounds)
A	12.07
B	11.86
C	12.7
D	11.14

_____ , _____ , _____ , _____

15. The table below shows the scores of players in a video game tournament.

Player	Score
Chelsea	4,400.08
T.J.	4,400.156
Andi	4,400.4
Ally	4,400.52
Ryan	4,400.873

If Caleb's score is 4,400.421, between which two people would his score appear in the table?

16. Andrea spent \$16.37 on snacks and a movie ticket. How much did she spend rounded to the nearest dime?

17. Cara rode her bike for 13.268 miles last week. If she rounds this distance to the nearest hundredth, how far did Cara ride her bike?

18. The table below shows the total distance that several boys swam at a swim meet.

Name	Distance (in meters)
Carter	2,245.41
John	2,245.47
Adam	2,245.56
Landon	2,245.05

If rounded to the nearest tenth of a meter, which boy's distance would equal 2,245.5 meters?

19. Sarah finished a race in 12.356 seconds. Natalie finished a race in 12.72 seconds. Which time listed below is greater than Sarah's time, but less than Natalie's time?

12.921 12.21 12.65 12.348

20. Four girls were making a craft with ribbon. The table below shows the length of each ribbon, measured in yards.

Name	Ribbon Length (yards)
Liza	0.05
Abby	0.075
Dana	0.06
Avery	0.043

Based on the table, write an inequality using names that is true when comparing the ribbon lengths of Abby and Dana.