Name_____

Chapter 4 Review

Lesson 4.1 - I can read and write thousandths in decimal and fractional form.

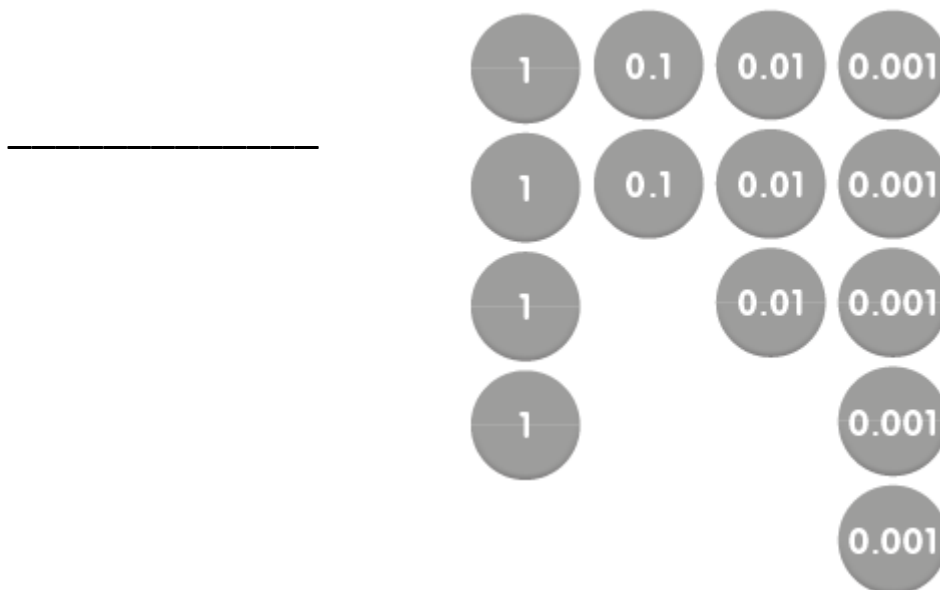1. What is the value of the 6 in 4.679? _____

2. What is the value of the 2 in 3.542? _____

3. What is the value of the 6 in 9.467? _____

4. What is the value of the 4 in 67.421? _____

5. Evaluate the expression 40 + 0.7+ 0.08 + 0.009 = _____

6. Write the number that is represented by the place value chart .

_____

Lesson 4.2 –
I can compare and order decimals to 3 decimal places
I can round decimals to the nearest hundredth

7. Compare the decimals. Write < or >.   5.427 _____ 5.472

8. Compare the decimals. Write < or >.   6.030 _____ 6.30

9. Compare and write < or >.   3.45 _____ $3\frac{4}{8}$

10. Which number below would have the greatest value?

  A) 3.09   B) 3.9   C) 3.49   D) 3.075

11. If the following numbers were placed in order from least to greatest, which would be the number with the least value?

  A) 12.05   B) 13.2   C) 12.005   D) 12.12

12. Round 8.043 to the nearest hundredth = _____

13. Round 11.325 to the nearest hundredth = _____

14. Put the following numbers in order from least to greatest:

      14.06   14.009   14.061   14.056

  _____   _____   _____   _____
   least   greatest

Lesson 4.3 – I can rewrite three-place decimals as fractions or mixed numbers in simplest form and vice versa.

15. What is $\frac{3}{5}$ as a decimal? _____

16. What is $5\frac{7}{10}$ as a decimal? _____

17. What is $3\frac{3}{25}$ as a decimal? _____

18. What is $\frac{4}{10}$ as a decimal? _____

19. Express 3.02 as a mixed number in **simplest form**.

20. Express 5.006 as a mixed number in **simplest form.**

21. Which number or expression is the same as $2\frac{20}{1000}$?
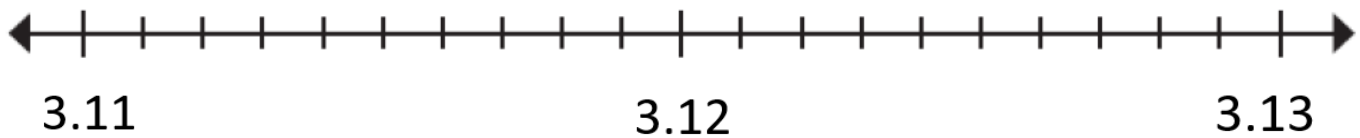
    A. 2.002

    B 2.025

    C. $2+\frac{10}{500}$

    D. $\frac{200}{1000}+\frac{20}{1000}$

Problem Solving

22. A number has 3 decimal places. It is 5.29 when rounded to the nearest hundredth. What could the number be? Choose **the three correct answers** from the choices below:

        A. 5.287

        B. 5.295

        C. 5.289

        D. 5.291

        E. 5.284

23. The weight of a storage container when rounded to the nearest 2 decimal places is 3.12 tons. Find the **greatest** weight of the container in 3 decimal places before it is rounded to the next higher hundredth. Use the number line to help you.

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   3.11                      3.12                     3.13
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Greatest Possible Weight_____ (don't forget the unit)

24. Following the pattern, which number would go on the blank line?

8.03   8.09   8.15   _____   8.27   8.33   8.39

25. The pattern starts with 0.117 and ends with 0.208.   What are the missing numbers in the pattern?

0.117,   0.130,   0.143,   _____,   0.169,   0.182,   _____, 0.208

26. In a swimming race, the quickest time wins.

Using the chart below, who is the winner? _____

Swimmer	Time (seconds)
Byron	14.23
Candace	14.765
Warren	14.79
Jenna	14.2

Who came in third place? _____