Name: _____   **Date:** _____

Quiz name: Course 2 Real Numbers Unit Test Review

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1. Write each number in m/m form where m and n are integers and n is not equal to 0. Simplify your answers.

    7.2

    (A) 7 and 2

          10

    (B) 7.10

    (C) 72

          10

    (D) 36

          5

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2. Write each number in m/m form where m and n are integers and n is not equal to 0. Simplify your answers.

    22 7

      10

    (A) 227

          10

    (B) 27

          10

    (C) 29

          10

    (D) 225

          10

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3. Write each number in m/m form where *m* and *n* are integers and *n* is not equal to 0. Simplify your answers.

-0.51

(A) $\dfrac{5}{10}$

(B) $\dfrac{51}{10}$

(C) $\dfrac{-51}{100}$

(D) $\dfrac{1}{2}$

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4. Write each number in m/m form where *m* and *n* are integers and *n* is not equal to 0. Simplify your answers.

5.2

(A) $\dfrac{52}{10}$

(B) $\dfrac{26}{5}$

(C) $\dfrac{52}{1000}$

(D) 52

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5. Write each number in m/m form where *m* and *n* are integers and *n* is not equal to 0. Simplify your answers.

$25\dfrac{6}{10}$

(A) 256

(B) $\dfrac{250}{10}$

(C) $\dfrac{256}{10}$

(D) $\dfrac{128}{5}$

6.   Write each number in m/m form where *m* and *n* are integers and *n* is not equal to 0. Simplify your answers.

-0.78

(A) 78

(B) 39
     50

(C)   78
     100

(D) - 39
      50

7.   Fill in the blank.

There are_____significant digits in 0.02040

(A) 6

(B) 5

(C) 4

(D) 3

8.   Fill in the blank.

There are_____significant digits in -0.0008030

(A) 6

(B) 5

(C) 4

(D) 3

9. Round each number to the given number of significant digits.

   -820,463 (to 3 significant digits)

   (A) -820,000

   (B) -800,000

   (C) -800,460

   (D) 820,000

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10. Round each number to the given number of significant digits.

    206.09864   (to 5 significant digits)

    (A) 206.010

    (B) 206.10

    (C) 206.09

    (D) 206.00

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11. Round each number to the given number of significant digits.

    -36,098,111 (to 4 significant digits)

    (A) 36,000,000

    (B) 36,100,000

    (C) -36,000,000

    (D) -36,100,000

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12. Round each number to the given number of significant digits.

    189,010 (to 2 significant digits)

    (A) 189,000

    (B) 180,000

    (C) 199,010

    (D) 190,000

13. The population of California in 2009 is approximately 36,961,664. Round the population to 3 significant digits.

    (A) 36,100,000

    (B) 36,900,000

    (C) 37,000,000

    (D) 35,000,000

14. Given that 1 fluid ounce = 29.57353 milliliters, what is the approximate value of milliliters to 1 fluid ounce if you round the figure to 2 significant digits?

    (A) 28 milliliters

    (B) 29 milliliters

    (C) 30 milliliters

    (D) 40 milliliters

15. The area of Texas is 168,581 square miles. Round the area to 3 significant digits.

    (A) 168,500

    (B) 169,000

    (C) 170,000

    (D) 160,000

16. For each pair of numbers, find the absolute value of each number. Then, determine which number is farther from 0 on a numberline.
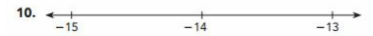
    -56 2 and -52

         5

17. For each pair of numbers, find the absolute value of each number. Then, determine which number is farther from 0 on a numberline.

-127.5 and 129 1

           10

_____

_____

_____

_____

_____

_____

18. Locate the rational number (-99/7) on the number line. (See image)

Locate the rational number $-\frac{99}{7}$ on the number line.

10.
    −15   −14   −13

_____

_____

_____

_____

_____

19. Using long division, write the rational numbers (43/7) and (45/11) in decimal form using bar notation and order them on a numberline

_____

_____

_____

_____

_____

_____

20. Using a calculator, expression the rational numbers (-19/12) and (-67/46) in decimal form and determine which rational number is smaller.

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