

Name _____

Homework # _____

Date _____

Review for Test ____ - Quarter ____

1. Write each number in scientific notation.

a. 0.0000034 _____

b. 140,000 _____

c. 160 million _____

2. Which number is the smallest? Largest?

2.8×10^6

4.9×10^5

9.1×10^5

7.2×10^6

3. Which set contains only whole numbers?

A. {0, 4, 9, 11}

B. {0, $\sqrt{2}$, π , 11}

C. {-4, 0, 9, 11}

D. $\{1, \frac{3}{2}, \sqrt{9}, 11\}$

4. Which set contains only integers?

A. {-2, $\sqrt{3}$, 7, 13}

B. {-3, -1, 5, 11}

C. $\{0, \frac{3}{4}, \frac{7}{8}, 1\frac{1}{3}\}$

D. {-11, -4, $\sqrt{4}$, $\sqrt{11}$ }

5. Find the GCF and LCM of 24, 30 and 42.

GCF = _____ LCM = _____

6. Find the GCF and LCM of 63 and 42.

GCF = _____ LCM = _____

7. Conversions.

1.5 gallons = _____ quarts

750 mL = _____ L

5.5 kg = _____ g

8. What is the most appropriate tool to measure the mass of a hardcover book?

- A. meterstick B. measuring cup C. thermometer D. scale

9. Simplify each expression.

$24 + 24 \div 4 \cdot 6$

$20 - |1 - 6| \cdot 2^2$

10. Solve and check each equation.

$2x - 1 = 3$

$-3x - 2 = 7$

$13 = 2x + 3$

11. In Syracuse it has snowed 36 inches in the past 90 hours. If the snow fell at a constant rate how much snow fell per-hour.

12. A 7-ounce bottle of shampoo costs \$2.59. If the price per ounce is consistent what is the cost of a 12-ounce bottle?