

Math 9 – Unit 3 Quiz – Version 1

Name: _____

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Identify the number that is NOT equal to the other three numbers.

$$\frac{-5}{8}, \frac{5}{-8}, \frac{-5}{-8}, \frac{-5}{8}$$

a. $\frac{5}{-8}$

b. $\frac{-5}{-8}$

c. $\frac{5}{8}$

d. $\frac{-5}{8}$

- _____ 2. Order the numbers from least to greatest.

$$-0.4, -0.\bar{4}, -0.44$$

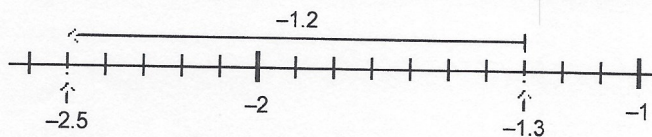
a. $-0.44, -0.\bar{4}, -0.4$

b. $-0.4, -0.\bar{4}, -0.44$

c. $-0.\bar{4}, -0.44, -0.4$

d. $-0.4, -44, -0.\bar{4}$

- _____ 3. Which of the following equations is true? If you wish, you can use the number line as a reference.



a. $-2.5 + (-1.2) = -1.3$

b. $-2.5 - 1.2 = -1.3$

c. $-1.3 + (-1.2) = -2.5$

d. $-1.3 + 2.5 = -1.2$

- _____ 4. Determine this sum.

$$(-2.5) + (-6.1)$$

a. 8.6

b. -8.6

c. -3.6

d. 3.6

- _____ 5. Determine this sum.

$$\frac{14}{7} + \left(-\frac{15}{14}\right)$$

a. $\frac{13}{14}$

b. $-\frac{13}{14}$

c. $\frac{1}{7}$

d. $-\frac{1}{7}$

- _____ 6. Which expression has the least sum?

i) $9.43 + 6.05$

ii) $-9.43 + 6.05$

iii) $9.43 + (-6.05)$

iv) $-9.43 + (-6.05)$

a. i

b. ii

c. iii

d. iv

- _____ 7. Determine this difference (*subtraction*).
 $3.7 - (-5.9)$

a. 9.6 b. -21.8 c. 8.6 d. -2.2

- _____ 8. Which expression has the same answer as $-\frac{3}{4} - \left(-\frac{7}{8}\right)$?

i) $-\frac{3}{4} - \frac{7}{8}$

ii) $\frac{3}{4} + \frac{7}{8}$

iii) $-\frac{3}{4} + \frac{7}{8}$

iv) $\frac{3}{4} - \left(-\frac{7}{8}\right)$

a. ii b. i c. iv d. iii

- _____ 9. Determine this difference.

$$-\frac{5}{2} - \left(-\frac{9}{5}\right)$$

a. $-\frac{43}{10}$ b. $-\frac{7}{10}$ c. $\frac{7}{10}$ d. $\frac{43}{10}$

- _____ 10. Determine this difference.

$$-4\frac{2}{3} - 2\frac{1}{2}$$

a. $-7\frac{1}{6}$ b. $7\frac{1}{6}$ c. $2\frac{1}{6}$ d. $-2\frac{1}{6}$

Short Answers

11. Write 3 rational numbers between -2.3 and -2.4.

12. Which rational number is less?

$$-\frac{4}{7}, -\frac{5}{2}$$