

**TASK 3: Unit Test Review (Chapter 3) Rational Numbers** Name: \_\_\_\_\_

**Multiple Choice:** Identify the choice that best completes the statement or answers the question.

\_\_\_\_\_ 1. Which numbers are rational numbers?

$$-5.4, \frac{7}{6}, 11, -\frac{1}{4}$$

a.  $\frac{7}{6}$

c. All of them

b.  $-5.4, \frac{7}{6},$  and  $-\frac{1}{4}$

d.  $\frac{7}{6}$  and 11

\_\_\_\_\_ 2. Identify equal rational numbers in this list:

$$\frac{-3}{-4}, \frac{-3}{4}, -\frac{4}{3}, \frac{3}{-4}, -\frac{3}{4}$$

a.  $-\frac{4}{3}$  and  $\frac{3}{-4}$

c.  $\frac{-3}{4}, -\frac{4}{3},$  and  $-\frac{3}{4}$

b.  $\frac{-3}{4}, \frac{3}{-4},$  and  $-\frac{3}{4}$

d.  $\frac{-3}{-4}$  and  $-\frac{4}{3}$

\_\_\_\_\_ 3. Estimate to determine which sum is greater than 0.

i)  $5.8 + (-7.7)$

ii)  $-1.1 + (-1.8)$

iii)  $-3.3 + 3.6$

iv)  $-3.6 + 2.8$

a. i

b. ii

c. iv

d. iii

\_\_\_\_\_ 4. Which expression has the same sum as  $-\frac{5}{6} + \frac{11}{12}$ ?

i)  $-\frac{11}{12} + \left(-\frac{5}{6}\right)$

ii)  $\frac{11}{12} + \left(-\frac{5}{6}\right)$

iii)  $\frac{5}{6} + \left(-\frac{11}{12}\right)$

iv)  $\frac{11}{12} + \frac{5}{6}$

a. i

b. iv

c. iii

d. ii

\_\_\_\_\_ 5. Which expressions have the same answer as  $-12.3 - (-7.8)$ ?

i)  $7.8 - 12.3$

ii)  $7.8 + 12.3$

iii)  $-12.3 + 7.8$

iv)  $-7.8 - 12.3$

a. i and iii

b. ii and iv

c. ii and iii

d. iii and iv

\_\_\_\_\_ 6. Determine this difference.

$$8.54 - (-3.76)$$

a.  $-32.11$

b. 4.78

c. 11.30

d. 12.30

\_\_\_\_\_ 7. Determine this product.

$$\left(-4\frac{1}{3}\right) \times \left(1\frac{4}{5}\right)$$

a.  $7\frac{4}{5}$

b.  $2\frac{8}{15}$

c.  $-2\frac{8}{15}$

d.  $-7\frac{4}{5}$

\_\_\_\_\_ 8. Determine this quotient.

$$\frac{3}{14} \div \left(-\frac{15}{4}\right)$$

a.  $-\frac{2}{35}$

b.  $-\frac{5}{56}$

c.  $-\frac{45}{56}$

d.  $-\frac{35}{2}$

**Short Answer**

9. Order these numbers from least to greatest on a number line.

$$-1\frac{1}{7}, 1.2, -1\frac{1}{4}, 1\frac{2}{5}, -1.4$$

10. Determine this sum.

$$-4.1 + 5.6$$


11. Determine this difference.

$$6\frac{1}{2} - \left(-5\frac{1}{3}\right)$$

12. Determine this product.

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

13. Classify the following numbers as a natural number, whole number, integer, and/or rational number

by placing a  in **all** appropriate boxes.

| Values                  | Whole Numbers | Natural Numbers | Integers | Rational Numbers |
|-------------------------|---------------|-----------------|----------|------------------|
| 5                       |               |                 |          |                  |
| $\sqrt{\frac{49}{100}}$ |               |                 |          |                  |
| 0                       |               |                 |          |                  |

**Review Rational Numbers TASK 3**  
**MULTIPLE CHOICE**

**Answer Section**

1. ANS: C
2. ANS: B
3. ANS: D
4. ANS: D
5. ANS: A
6. ANS: D
7. ANS: D
8. ANS: A

**SHORT ANSWER**

9. ANS:  
 $-1.4, -1\frac{1}{4}, -1\frac{1}{7}, 1.2, 1\frac{2}{5}$

10. ANS  
 1.5

11. ANS:  
 $11\frac{5}{6}$

12. ANS:  
 i, ii, and iv

13 Classify the following numbers as a natural number, whole number, integer, and/or rational number

by placing a ✓ in **all** appropriate boxes. (3 marks)

| Values                  | Whole Numbers | Natural Numbers | Integers | Rational Numbers |
|-------------------------|---------------|-----------------|----------|------------------|
| 5                       | ✓             | ✓               | ✓        | ✓                |
| $\sqrt{\frac{49}{100}}$ |               |                 |          | ✓                |
| 0                       | ✓             |                 | ✓        | ✓                |