

Name: Key Date: \_\_\_\_\_ Period: \_\_\_\_\_

**RNS, Integer and Fraction Quiz Review**

1. Name an example of a real number that is a whole, but not a natural number.

0

2. Name an example of an irrational number.

$\sqrt{2}$

3. Name an example of a number that is rational but not an integer. 3.2

4.  $-27 + 9$

$-18$

5.  $(-3)(-22)$

66

6.  $-13 - 10$

$-23$

7.  $-85 - (-36)$

$-49$

8.  $-50 \div -5$

10

9.  $45 \div -9$

$-5$

10. Convert the mixed number  
an improper fraction

$3\frac{4}{7} = \frac{25}{7}$

11. Convert the improper into  
fraction to a mixed number

$\frac{45}{8} = 5\frac{5}{8}$

12.  $\frac{28}{7} \cdot \frac{7}{12} = \frac{2}{3}$

13.  $-\frac{5}{9} + \frac{2}{9} = -\frac{3}{9} = -\frac{1}{3}$

14.  $\frac{5}{6} \cdot \frac{10}{12} \left( +\frac{3}{4} \right) \frac{9}{12} = \frac{19}{12} \text{ OR } 1\frac{7}{12}$

15.  $\frac{15}{22} \cdot -\frac{84}{25} = -\frac{12}{55}$

16.  $2\frac{15}{4} \cdot \frac{3}{5} \cdot \frac{12}{20} = \frac{25}{20} \cdot -\frac{12}{20} = \frac{13}{20}$

17.  $-\frac{2}{5} \div -4 = \frac{-2}{5} \cdot -\frac{1}{4} = \frac{1}{10}$

18.  $2\frac{3}{4} \div 1\frac{1}{2}$

$\frac{11}{4} \cdot \frac{2}{3} = \frac{11}{6} \text{ OR } 1\frac{5}{6}$

19.  $3 + (-45 \div 5) \cdot 8 - (-15)$

$3 + -9 \cdot 8 + 15$   
 $3 + -72 + 15$   
 $-69 + 15$   
 $-54$