

Name: _____

Date: _____

Period: _____

Operations on Rational Numbers Pre-Assessment

1. Find the Greatest Common Factor of 32 and 48.
2. Use a factor tree to find the prime factorization of 60.
3. Compare using $<$, $>$ or $=$.
 - a. $.40$ _____ $\frac{3}{8}$
 - b. $-\frac{9}{10}$ _____ $-.89$
4. Write $-27/8$ as a decimal.
5. Write 0.64 as a fraction in lowest terms.

Perform the following operations.

6. $\left(\frac{-3}{5}\right) \div \left(\frac{-1}{3}\right)$
7. $2\frac{1}{5} - 3\frac{1}{3}$
8. $.89 + \frac{2}{5}$
9. $9.7 \div .5$
10. $.8 - (-7.3)$

Our next unit is on fluently adding, subtracting, multiplying and dividing rational numbers. Rational numbers include integers and fractions and decimals and will be the number system we use throughout the year. Specifically, each of you must master the following skills:

- a. Comparing rational numbers
 - b. Converting fractions to decimals
 - c. Converting decimals to fractions
 - d. Adding decimals
 - e. Subtracting decimals
 - f. Multiplying decimals
 - g. Dividing decimals
 - h. Adding fractions
 - i. Subtracting fractions
 - j. Multiplying fractions
 - k. Dividing fractions
 - l. Explain how to perform all of the above skills
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1. What score did you get on yesterday's assessment on Integers?
 2. What did you do well on the pre-Assessment?
 3. On which topics could you improve?
 4. Are there any topics with which you were completely unfamiliar?