

Name _____ Date _____

Evaluate each expression using the properties of operations (e.g., the Associative, Commutative, and Distributive Properties) to make your work easier. In your work, indicate where you used any properties to complete the problem.

1. $1\frac{1}{3} \cdot 2\frac{1}{2} \cdot 3$

2. $7 \cdot 2\frac{4}{5} + 7 \cdot 3\frac{1}{5}$

Name _____ Date _____

1. Convert each of the following fractions to a decimal using long division.

A. $\frac{13}{8}$

B. $\frac{32}{0}$

C. $\frac{5}{6}$

D. $\frac{0}{17}$

2. Which of the fractions above are rational numbers? Explain how you know.

Name _____ Date _____

State whether each expression below is equivalent or not equivalent to $-5 \div 20$.
Explain your reason for each choice.

a. $\frac{1}{-4}$

b. $-\frac{20}{5}$

c. -4

d. $-\left(\frac{-5}{-20}\right)$

e. $-\frac{1}{4}$

f. $\frac{-5}{-20}$