Worksheet #2

Dividing Rational Numbers

Learning Goal: Students will be able to divide and simplify rational numbers.

Example:

$$2 \div \frac{4}{5} = \frac{5}{2}$$

a) $\dfrac{-5}{4} \div 30 =$

f) $30 \div \dfrac{-15}{4} =$

b) $\dfrac{-11}{5} \div 33 =$

g) $18 \div \dfrac{-15}{2} =$

c) $\dfrac{-9}{7} \div 3 =$

h) $12 \div \dfrac{-9}{5} =$

d) $\dfrac{-8}{5} \div 24 =$

i) $-1 \div \dfrac{-7}{2} =$

e) $\dfrac{-11}{3} \div 44 =$

j) $-27 \div \dfrac{-9}{2} =$

Worksheet #2(Answers)

Dividing Rational Numbers

Learning Goal: Students will be able to divide and simplify rational numbers.

Example:

$$2 \div \frac{4}{5} = \frac{5}{2}$$

a) $\dfrac{-5}{4} \div 30 =$ $\boxed{-\dfrac{1}{24}}$

f) $30 \div \dfrac{-15}{4} =$ $\boxed{-8}$

b) $\dfrac{-11}{5} \div 33 =$ $\boxed{-\dfrac{1}{15}}$

g) $18 \div \dfrac{-15}{2} =$ $\boxed{-\dfrac{12}{5}}$

c) $\dfrac{-9}{7} \div 3 =$ $\boxed{-\dfrac{3}{7}}$

h) $12 \div \dfrac{-9}{5} =$ $\boxed{-\dfrac{20}{3}}$

d) $\dfrac{-8}{5} \div 24 =$ $\boxed{-\dfrac{1}{15}}$

i) $-1 \div \dfrac{-7}{2} =$ $\boxed{\dfrac{2}{7}}$

e) $\dfrac{-11}{3} \div 44 =$ $\boxed{-\dfrac{1}{12}}$

j) $-27 \div \dfrac{-9}{2} =$ $\boxed{6}$

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