Worksheet #1

MeandMath

Dividing Rational Numbers

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

Example:

$$6 \div \frac{3}{5} = \frac{10}{1}$$

a) $\dfrac{2}{3} \div -10 =$

f) $-10 \div \dfrac{5}{9} =$

b) $\dfrac{2}{5} \div -22 =$

g) $-21 \div \dfrac{7}{8} =$

c) $\dfrac{-6}{7} \div 24 =$

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

d) $\dfrac{-1}{3} \div 7 =$

i) $-14 \div \dfrac{-4}{9} =$

e) $\dfrac{-2}{5} \div 18 =$

j) $-9 \div \dfrac{6}{5} =$

Worksheet #1 (Answers)

Dividing Rational Numbers

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

Example:

$$6 \div \frac{3}{5} = \frac{10}{1}$$

a) $\dfrac{2}{3} \div -10 = \boxed{\dfrac{1}{15}}$

f) $-10 \div \dfrac{5}{9} = \boxed{-18}$

b) $\dfrac{2}{5} \div -22 = \boxed{\dfrac{1}{55}}$

g) $-21 \div \dfrac{7}{8} = \boxed{-24}$

c) $\dfrac{-6}{7} \div 24 = \boxed{\dfrac{1}{28}}$

h) $-9 \div \dfrac{-3}{7} = \boxed{21}$

d) $\dfrac{-1}{3} \div 7 = \boxed{-\dfrac{1}{21}}$

i) $-14 \div \dfrac{-4}{9} = \boxed{\dfrac{63}{2}}$

e) $\dfrac{-2}{5} \div 18 = \boxed{-\dfrac{1}{45}}$

j) $-9 \div \dfrac{6}{5} = \boxed{-\dfrac{15}{2}}$