

Name: _____

Grade: _____

Score: _____

Worksheet #9

**Dividing Rational Numbers**

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

Example:

$$1\frac{1}{2} \div 2\frac{1}{2} = \frac{3}{5}$$

a) $-4\frac{2}{7} \div 3\frac{1}{7} =$

f) $-4\frac{2}{12} \div 3\frac{1}{6} =$

b) $-2\frac{1}{5} \div 2\frac{3}{5} =$

g) $-2\frac{1}{2} \div 2\frac{3}{20} =$

c) $-3\frac{3}{10} \div 1\frac{2}{5} =$

h) $-3\frac{3}{5} \div 1\frac{2}{15} =$

d) $1\frac{1}{9} \div 1\frac{2}{3} =$

i) $-1\frac{1}{3} \div 1\frac{2}{6} =$

e) $2\frac{1}{15} \div 2\frac{4}{5} =$

j) $-2\frac{1}{3} \div 2\frac{4}{21} =$

Name: _____

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Worksheet #9(Answers)

**Dividing Rational Numbers**

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

Example:

$$1\frac{1}{2} \div 2\frac{1}{2} = \frac{3}{5}$$

a) $-4\frac{2}{7} \div 3\frac{1}{7} =$

$$\frac{24}{49}$$

f) $-4\frac{2}{12} \div 3\frac{1}{6} =$

$$-\frac{1}{3}$$

b) $-2\frac{1}{5} \div 2\frac{3}{5} =$

$$\frac{12}{25}$$

g) $-2\frac{1}{2} \div 2\frac{3}{20} =$

$$-\frac{3}{10}$$

c) $-3\frac{3}{10} \div 1\frac{2}{5} =$

$$\frac{9}{25}$$

h) $-3\frac{3}{5} \div 1\frac{2}{15} =$

$$-\frac{6}{25}$$

d) $1\frac{1}{9} \div 1\frac{2}{3} =$

$$\frac{1}{6}$$

i) $-1\frac{1}{3} \div 1\frac{2}{6} =$

$$-\frac{1}{9}$$

e) $2\frac{1}{15} \div 2\frac{4}{5} =$

$$\frac{1}{12}$$

j) $-2\frac{1}{3} \div 2\frac{4}{21} =$

$$-\frac{16}{63}$$