

Name: _____

Grade: _____

Score: _____

Worksheet #10

**Equivalent Rational Numbers**

Learning Goal: Students will be able to find an equivalent rational number by Multiplication and division.

Example:

$$\frac{-24}{12} \div \frac{3}{3} = \frac{-8}{4}$$

Common divisor

a) $\frac{\square}{16} = \frac{-3}{4}$

f) $\frac{\square}{-88} = \frac{-9}{11}$

b) $\frac{-38}{\square} = \frac{-19}{21}$

g) $\frac{30}{\square} = \frac{-10}{18}$

c) $\frac{\square}{-96} = \frac{-6}{16}$

h) $\frac{36}{\square} = \frac{-9}{11}$

d) $\frac{\square}{-80} = \frac{-24}{16}$

i) $\frac{15}{\square} = \frac{5}{6}$

e) $\frac{\square}{-128} = \frac{-6}{16}$

j) $\frac{18}{\square} = \frac{-2}{4}$

Name: _____

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Worksheet #10(Answers)

**Equivalent Rational Numbers**

Learning Goal: Students will be able to find an equivalent rational number by Multiplication and division.

Example:

$$\frac{-24}{12} \div \frac{3}{3} = \frac{-8}{4}$$

Common divisor

a) $\frac{-12}{16} = \frac{-3}{4}$

f) $\frac{72}{-88} = \frac{-9}{11}$

b) $\frac{-38}{42} = \frac{-19}{21}$

g) $\frac{30}{-54} = \frac{-10}{18}$

c) $\frac{36}{-96} = \frac{-6}{16}$

h) $\frac{36}{-44} = \frac{-9}{11}$

d) $\frac{120}{-80} = \frac{-24}{16}$

i) $\frac{15}{18} = \frac{5}{6}$

e) $\frac{48}{-128} = \frac{-6}{16}$

j) $\frac{18}{-36} = \frac{-2}{4}$