

Name: _____

Grade: _____

Score: _____

Worksheet #3

**Equivalent Rational Numbers**

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

Example:

$$\frac{-2 \times 2}{9 \times ?} = \frac{-4}{18}$$

Common multiple
↖

a) $\frac{-2 \times 2}{7 \times 2} = \frac{\boxed{}}{\boxed{}}$

f) $\frac{-3 \times 9}{5 \times 9} = \frac{\boxed{}}{\boxed{}}$

b) $\frac{-3 \times 5}{8 \times 5} = \frac{\boxed{}}{\boxed{}}$

g) $\frac{-13 \times 6}{9 \times 6} = \frac{\boxed{}}{\boxed{}}$

c) $\frac{-4 \times 3}{9 \times 3} = \frac{\boxed{}}{\boxed{}}$

h) $\frac{-15 \times 7}{7 \times 7} = \frac{\boxed{}}{\boxed{}}$

d) $\frac{-5 \times 5}{8 \times 5} = \frac{\boxed{}}{\boxed{}}$

i) $\frac{-11 \times 9}{3 \times 9} = \frac{\boxed{}}{\boxed{}}$

e) $\frac{12 \times 3}{3 \times 3} = \frac{\boxed{}}{\boxed{}}$

j) $\frac{-7 \times 5}{3 \times 5} = \frac{\boxed{}}{\boxed{}}$

Name: _____

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Worksheet #3 (Answers)

**Equivalent Rational Numbers**

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

Example:

$$\frac{-2 \times 2}{9 \times ?} = \frac{-4}{18}$$

Common multiple

a) $\frac{-2 \times 2}{7 \times 2} = \frac{-4}{14}$

f) $\frac{-3 \times 9}{5 \times 9} = \frac{-27}{45}$

b) $\frac{-3 \times 5}{8 \times 5} = \frac{-15}{40}$

g) $\frac{-13 \times 6}{9 \times 6} = \frac{-78}{54}$

c) $\frac{-4 \times 3}{9 \times 3} = \frac{-12}{27}$

h) $\frac{-15 \times 7}{7 \times 7} = \frac{-105}{49}$

d) $\frac{-5 \times 5}{8 \times 5} = \frac{-25}{40}$

i) $\frac{-11 \times 9}{3 \times 9} = \frac{-99}{27}$

e) $\frac{12 \times 3}{3 \times 3} = \frac{36}{9}$

j) $\frac{-7 \times 5}{3 \times 5} = \frac{-35}{15}$