Name: **Grade:** **Score:**

Worksheet #2

Equivalent Rational Numbers

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

Example:

Common divisor.

$$\frac{12 \div 3}{18 \div 3} = \frac{4}{6}$$

a) $\frac{-28 \div 2}{36 \div 2} = \frac{\square}{\square}$

b) $\frac{-51 \div 3}{75 \div 3} = \frac{\square}{\square}$

c) $\frac{-56 \div 4}{64 \div 4} = \frac{\square}{\square}$

d) $\frac{-35 \div 5}{105 \div 5} = \frac{\square}{\square}$

e) $\frac{-72 \div 12}{84 \div 12} = \frac{\square}{\square}$

f) $\frac{-108 \div 9}{144 \div 9} = \frac{\square}{\square}$

g) $\frac{-42 \div 7}{84 \div 7} = \frac{\square}{\square}$

h) $\frac{-72 \div 6}{84 \div 6} = \frac{\square}{\square}$

i) $\frac{-64 \div 8}{88 \div 8} = \frac{\square}{\square}$

j) $\frac{45 \div 45}{90 \div 45} = \frac{\square}{\square}$

Name: **Grade:** **Score:**

Worksheet #2 (Answers)

Equivalent Rational Numbers

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

Example:

Common divisor.

$$\frac{12 \div 3}{18 \div 3} = \frac{4}{6}$$

a) $\frac{-28 \div 2}{36 \div 2} = \boxed{\frac{-14}{18}}$

b) $\frac{-51 \div 3}{75 \div 3} = \boxed{\frac{-17}{25}}$

c) $\frac{-56 \div 4}{64 \div 4} = \boxed{\frac{-14}{16}}$

d) $\frac{-35 \div 5}{105 \div 5} = \boxed{\frac{-7}{21}}$

e) $\frac{-72 \div 12}{84 \div 12} = \boxed{\frac{-6}{7}}$

f) $\frac{-108 \div 9}{144 \div 9} = \boxed{\frac{-12}{16}}$

g) $\frac{-42 \div 7}{84 \div 7} = \boxed{\frac{-6}{12}}$

h) $\frac{-72 \div 6}{84 \div 6} = \boxed{\frac{-12}{14}}$

i) $\frac{-64 \div 8}{88 \div 8} = \boxed{\frac{-8}{11}}$

j) $\frac{45 \div 45}{90 \div 45} = \boxed{\frac{1}{2}}$