Worksheet #1

MeandMath
BELIEVE YOURSELF

Equivalent Rational Numbers

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

Example:

Common multiple

$$\frac{2}{3} \times \boxed{\frac{5}{5}} = \frac{10}{15}$$

a) $\dfrac{-11 \times 2}{5 \times 2} = \dfrac{\square}{\square}$

f) $\dfrac{-2 \times 11}{9 \times 11} = \dfrac{\square}{\square}$

b) $\dfrac{-2 \times 7}{9 \times 7} = \dfrac{\square}{\square}$

g) $\dfrac{7 \times 3}{6 \times 3} = \dfrac{\square}{\square}$

c) $\dfrac{-8 \times 4}{12 \times 4} = \dfrac{\square}{\square}$

h) $\dfrac{-12 \times 4}{3 \times 4} = \dfrac{\square}{\square}$

d) $\dfrac{-12 \times 6}{18 \times 6} = \dfrac{\square}{\square}$

i) $\dfrac{-25 \times 5}{12 \times 5} = \dfrac{\square}{\square}$

e) $\dfrac{-15 \times 3}{7 \times 3} = \dfrac{\square}{\square}$

j) $\dfrac{-2 \times 9}{8 \times 9} = \dfrac{\square}{\square}$

Worksheet #1 (Answers)

MeandMath
BELIEVE YOURSELF

Equivalent Rational Numbers

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

Example:

Common multiple

$$\frac{2}{3} \times \left(\frac{5}{5}\right) = \frac{10}{15}$$

a) $\dfrac{-11 \times 2}{5 \times 2} = \dfrac{-22}{10}$

f) $\dfrac{-2 \times 11}{9 \times 11} = \dfrac{-22}{99}$

b) $\dfrac{-2 \times 7}{9 \times 7} = \dfrac{-14}{63}$

g) $\dfrac{7 \times 3}{6 \times 3} = \dfrac{21}{18}$

c) $\dfrac{-8 \times 4}{12 \times 4} = \dfrac{-32}{48}$

h) $\dfrac{-12 \times 4}{3 \times 4} = \dfrac{-48}{12}$

d) $\dfrac{-12 \times 6}{18 \times 6} = \dfrac{-72}{108}$

i) $\dfrac{-25 \times 5}{12 \times 5} = \dfrac{-125}{60}$

e) $\dfrac{-15 \times 3}{7 \times 3} = \dfrac{-45}{21}$

j) $\dfrac{-2 \times 9}{8 \times 9} = \dfrac{-18}{72}$