Worksheet #3



Equivalent Rational Numbers

Common multiple

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

Example:

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

a)
$$\dfrac{-2 imes 2}{7 imes 2} = egin{array}{c} \Box \\ \hline \Box \end{array}$$

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

b)
$$\frac{-3\times5}{8\times5}=$$
 $\boxed{\frac{\square}{\square}}$

g)
$$\dfrac{-13 imes 6}{9 imes 6} = \boxed{\dfrac{\Box}{\Box}}$$

$$\frac{1}{2}$$
 c) $\frac{-4 imes 3}{9 imes 3} = \frac{1}{2}$

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

i)
$$\frac{-11 imes 9}{3 imes 9} = \boxed{ egin{array}{c} \Box \\ \hline \Box \end{array} }$$

e)
$$\dfrac{12 imes 3}{3 imes 3} = egin{array}{c} \Box \\ \hline \Box \end{array}$$

j)
$$\dfrac{-7 imes 5}{3 imes 5} = oxedsymbol{\square}$$

Worksheet #3 (Answers)



Equivalent Rational Numbers

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

Example:

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

a)
$$\frac{-2\times2}{7\times2}=\left|\frac{-4}{14}\right|$$

f)
$$\frac{-3 imes9}{5 imes9}=\left|rac{-27}{45}
ight|$$

Common multiple

b)
$$\frac{-3\times5}{8\times5}=rac{-15}{40}$$

g)
$$\dfrac{-13 imes 6}{9 imes 6} = \dfrac{-78}{54}$$

$$\frac{1}{27}$$
 BELIEVE h) $\frac{-4 imes 3}{7 imes 7} = \frac{-105}{49}$

h)
$$\dfrac{-15 imes7}{7 imes7}= \dfrac{-105}{49}$$

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

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

e)
$$\dfrac{12 imes 3}{3 imes 3} = \left \lfloor \dfrac{36}{9} \right \rfloor$$

$$\text{j) } \frac{-7\times5}{3\times5} = \boxed{\frac{-35}{15}}$$

©meandmath.com