Worksheet #1



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)
$$\frac{-11 imes 2}{5 imes 2} = \frac{\square}{\square}$$

f)
$$\frac{-2 imes 11}{9 imes 11} = \boxed{\frac{\square}{\square}}$$

b)
$$\frac{-2 imes 7}{9 imes 7} = \boxed{ egin{bmatrix} \Box \\ \hline \Box \end{bmatrix}}$$

g)
$$\frac{7 imes 3}{6 imes 3} = \boxed{\frac{\square}{\square}}$$

$$\frac{-8 imes 4}{12 imes 4} = \boxed{ }$$

$$\frac{1}{3 \times 4} = \frac{1}{3}$$

d)
$$\frac{-12 imes 6}{18 imes 6} = \boxed{ egin{bmatrix} \Box \\ \hline \Box \end{bmatrix}}$$

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

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

$$\frac{-2 \times 9}{8 \times 9} = \boxed{\frac{\square}{\square}}$$

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Worksheet #1 (Answers)



Equivalent Rational Numbers

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

Example:

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

a)
$$rac{-11 imes2}{5 imes2}=rac{-22}{10}$$

$$f) \qquad \frac{-2 \times 11}{9 \times 11} = \boxed{\frac{-22}{99}}$$

b)
$$rac{-2 imes7}{9 imes7}= rac{-14}{63}$$

g)
$$rac{7 imes3}{6 imes3}=$$
 $rac{21}{18}$

$$(-8 imes 4)$$
 $(-8 imes 4)$ $(-8 imes 4)$ $(-8 imes 4)$ $(-32 imes 4)$

$$egin{array}{c} -32 \ \hline 48 \ \hline \end{array}$$
 LEVE h) UP $egin{array}{c} -12 imes 4 \ \hline 3 imes 4 \ \hline \end{array} = egin{array}{c} -48 \ \hline 12 \ \hline \end{array}$

d)
$$\frac{-12 imes 6}{18 imes 6} = \frac{-72}{108}$$

i)
$$rac{-25 imes5}{12 imes5}=rac{-125}{60}$$

e)
$$\frac{-15 imes 3}{7 imes 3} = \frac{-45}{21}$$

$$) \quad \frac{-2 \times 9}{8 \times 9} = \quad \frac{-18}{72}$$

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