Worksheet #5



Dividing Rational Numbers

Learning Goal: Students will be able to divide and simplify rational numbers.

Example:

$$\frac{1}{2} \div \frac{7}{4} = \frac{2}{7}$$

$$a) -\frac{1}{3} \div \frac{-5}{3} =$$

$$f) \frac{-2}{5} \div \frac{7}{5} =$$

b)
$$\frac{-2}{7} \div \frac{5}{7} =$$

g)
$$\frac{2}{7} \div \frac{-18}{15} =$$

c)
$$\frac{2}{7} \div \frac{-18}{5}$$
 ELIEVE YOUR h) $\frac{-2}{5} \div \frac{7}{5}$ =

$$\mathsf{d}) \; \frac{-1}{7} \div \frac{21}{2} \; = \;$$

$$i)\frac{-4}{5} \div \frac{-8}{5} =$$

e)
$$\frac{-2}{7} \div \frac{-12}{5} =$$

$$j)\frac{-1}{2} \div \frac{-11}{2} =$$

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Worksheet #5(Answers)



Dividing Rational Numbers

Learning Goal: Students will be able to divide and simplify rational

Example:

$$\frac{1}{2} \div \frac{7}{4} = \frac{2}{7}$$

a)
$$-\frac{1}{3} \div \frac{-5}{3} = \boxed{\frac{1}{5}}$$

$$f)\frac{-2}{5} \div \frac{7}{5} = -\frac{2}{7}$$

b)
$$\frac{-2}{7} \div \frac{5}{7} = -\frac{2}{5}$$

g)
$$\frac{2}{7} \div \frac{-18}{15} = -\frac{5}{21}$$

c)
$$\frac{2}{7} \div \frac{-18}{5} = \frac{5}{63}$$

c)
$$\frac{2}{7} \div \frac{-18}{5} = \frac{5}{63}$$
 VEYOh) $\frac{-2}{5} \div \frac{7}{5} = -\frac{2}{7}$

d)
$$\frac{-1}{7} \div \frac{21}{2} = -\frac{2}{147}$$
 i) $\frac{-4}{5} \div \frac{-8}{5} = \frac{1}{2}$

$$i) \frac{-4}{5} \div \frac{-8}{5} = \frac{1}{2}$$

e)
$$\frac{-2}{7} \div \frac{-12}{5} = \boxed{\frac{5}{42}}$$

e)
$$\frac{-2}{7} \div \frac{-12}{5} = \begin{vmatrix} \frac{5}{42} \\ \frac{1}{2} \end{vmatrix}$$
 j) $\frac{-1}{2} \div \frac{-11}{2} = \begin{vmatrix} \frac{1}{11} \\ \frac{1}{11} \end{vmatrix}$