

Lesson 1-3

<i>Reciprocal</i>	Decode <i>re • cip • ro • cal</i>
Definition <i>Switch the numerator and denominator</i>	Example $\frac{2}{3} \rightarrow \frac{3}{2}$ $3\frac{1}{2} \rightarrow \frac{2}{3}$ $\frac{5}{1} \rightarrow \frac{1}{5}$ $\frac{7}{2} \rightarrow \frac{2}{7}$

~~$3\frac{2}{1}$~~

Example 1: Dividing Fractions

Divide. Write in simplest form.

Keep Change Flip

I Do	We Do	You Do
<p><i>KCF</i></p> $\frac{5}{24} \div \frac{35}{48}$ $\frac{5}{24} \cdot \frac{48}{35} = \frac{2}{7}$	$\frac{4}{25} \div 4\frac{2}{5}$ $\frac{4}{25} \div \frac{22}{5}$ $\frac{4}{25} \cdot \frac{5}{22} = \frac{2}{55}$	$\frac{9}{21} \div \frac{27}{56}$ $\frac{9}{21} \cdot \frac{56}{27} = \frac{8}{9}$

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Example 3: Evaluating Expressions

I Do	You Do
$\frac{12}{\frac{1}{2}}$ $\frac{12}{x}$ $x=0.5$ $\frac{1}{2}$ $12 \div \frac{1}{2}$ $\frac{12}{1} \cdot \frac{2}{1} = 24$	$\frac{-7}{15} \div y$ $y = \frac{24}{35}$

Example 4: Application

Aubrey was eating a granola bar. She ate $\frac{2}{3}$ of the granola bar. A serving size on the back of the box says that one serving is $\frac{3}{4}$ of a granola bar. How many servings did she eat?