

Lesson 1-1

<i>Rational number</i>	Decode ra·tion·al num·ber
Definition any # that can be written as a fraction	Example $\frac{1}{2}$ $\frac{10}{1}$ $\frac{5}{1}$ $-\frac{2}{3}$

<i>Relatively prime</i>	Decode rel·a·tively pr·ime
Definition two #'s are relatively prime if their GCF is 1	Example

Example 1: Simplifying Fractions



Simplify.


Hint: Find the GCF of each numbers.

I Do	We Do	You Do
$\frac{-18}{48} \div 6 = \frac{-3}{8}$	$\frac{19}{37}$ relatively prime 19, 37 19: 1 19	$\frac{14}{-56} \div 2 = \frac{7}{-28} \div 7 = \frac{1}{-4}$

Example 2: Writing Decimals as Fractions

Write each decimal as a fraction in simplest form.

I Do	We Do
<p> 0.075  What is the place value of the number furthest to the right? $\frac{75}{1000}$ Since the 5 is in the "thousandths" place, put the number over one thousand. $\frac{75 \div 25}{1000 \div 25}$ Simplify. $\frac{3}{40}$ </p>	<p> -4.24  hundredths $-4 \frac{24}{100} \div 2 = -4 \frac{12}{50} \div 2$ $-4 \frac{6}{25}$ </p>

You Do
<p> 10.375  thousandths $10 \frac{375}{1000} \div 25 = 10 \frac{15}{40} \div 5$ $10 \frac{3}{8}$ </p>

Example 3: Writing Fractions as Decimals

Write each fraction as a decimal.

I Do	We Do	You Do
<p> $\frac{8}{5}$ $8 \div 5$ 1.6 </p>	<p> $-\frac{5}{6}$ $-5 \div 6$ $-0.8\bar{3}$ </p>	<p> $-\frac{1}{8}$ $-1 \div 8$ -0.125 </p>