Lesson 1 Reteach

Terminating and Repeating Decimals

To write a fraction as a decimal, divide the numerator by the denominator. Division ends when the remainder is zero. You can use **bar notation** to indicate that a number pattern repeats indefinitely. A bar is written over the digits that repeat.



Example 3 Write -0.32 as a fraction in simplest form.

$-0.32 = -\frac{32}{100}$	The 2 is in the hundredths place.
$=-\frac{8}{25}$	Simplify.

Exercises

Write each fraction or mixed number as a decimal. Use bar notation if the decimal is a repeating decimal.

$1.\frac{8}{10}$	2. $-\frac{3}{5}$	3. $\frac{7}{11}$
4. $4\frac{7}{8}$	5. $-\frac{13}{15}$	6. $3\frac{47}{99}$

Write each decimal as a fraction in simplest form.

8.0.3 9.0.94 7.-0.14