## **Lesson 6-3** (pp. 301–304)

## Percents Greater Than 100 or Less Than 1

Lesson Objective

**V** Use percents greater than 100 or less than 1

NAEP 2005 Strand: Number Properties and Operations

**Topic:** Ratios and Proportional Reasoning

Local Standards:

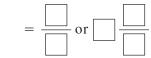
## Examples

**Rewriting Percents Greater Than 100** Write 140% as a decimal and as a fraction in simplest form.

140% =

To write as a decimal, move the decimal point places to the

To write as a fraction, use the definition of percent.



← Simplify the fraction.

in decimal form and 140% equals in fraction form.

**2** Rewriting Percents Less Than 1 Write 0.75% as a decimal and as a fraction in simplest form.

0.75% =

To write as a decimal, move the decimal point places to the

- 0.75% =
- To write as a fraction, use the definition of percent.

0.75 • 100 •

- Multiply numerator and denominator
- 10,000
- Simplify as a fraction with a whole number numerator.
- ← Simplify.
- 0.75% equals in decimal form and in fraction form.

- **3** Writing Fractions and Decimals as Percents Write each number as a percent. When necessary, round to the nearest hundredth of a percent.
  - **a.**  $4\frac{2}{3}$

**b.** 2.557

**c.**  $\frac{1}{325}$ 



**d.**  $\frac{6}{875}$ 



## **Check Understanding**

1. Write 125% as a decimal and as a fraction in simplest form.

2. Write 0.35% as a decimal and as a fraction in simplest form.

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**3.** Write each number as a percent. When necessary, round to the nearest hundredth of a percent.

**a.**  $3\frac{5}{12}$ 

2. 2<sup>4</sup>/<sub>5</sub>

**c.** 1.71

**d.** 4.005

**4.** Idaho has two members in the U.S. House of Representatives. There are a total of 435 representatives. Find the percent of the representatives that are from Idaho. Round to the nearest hundredth of a percent.