

EXAMPLES Write a Percent as a Decimal**MAIN IDEA**

- Express percents as decimals and decimals as percents.

KEY CONCEPT

Percent as Decimal To write a percent as a decimal, rewrite the percent as a fraction with a denominator of 100. Then write the fraction as a decimal.

Write each percent as a decimal.

1 86%

$$86\% = \frac{86}{\boxed{}} \\ = \boxed{}$$

Rewrite the percent as a fraction with a denominator of $\boxed{}$.

Write 86 hundredths as a decimal.

2 1%

$$1\% = \frac{1}{\boxed{}} \\ = \boxed{}$$

Rewrite the percent as a fraction with a denominator of $\boxed{}$.

Write 1 hundredth as a decimal.

3 110%

$$110\% = \frac{110}{\boxed{}} \\ = \boxed{} \\ = \boxed{} \text{ or } \boxed{}$$

Rewrite the percent as a fraction with a denominator of $\boxed{}$.

Write as a mixed number.

Write 1 and 10 hundredths.

Check Your Progress

Write each percent as a decimal.

a. 34%
b. 4%
c. 154%

EXAMPLES Write a Decimal as a Percent

Write each decimal as a percent.

KEY CONCEPTS

Decimal as Percent To write a decimal as a percent, write the decimal as a fraction whose denominator is 100. Then write the fraction as a percent.

4 0.44

$$0.44 = \frac{44}{\boxed{}}$$

Write 44 hundredths as a fraction.

$$= \frac{\boxed{}}{100}$$

Write the fraction as a percent.

5 1.81

$$1.81 = 1 \frac{81}{\boxed{}}$$

Write 1 and 81 hundredths as a mixed number.

$$= \frac{\boxed{}}{100}$$

Write the mixed number as an improper fraction.

$$= \frac{\boxed{}}{100}$$

Write the fraction as a percent.

Check Your Progress

Write each decimal as a percent.

a. 0.82

b. 1.68

EXAMPLE**6 CULTURE** In 2000, about 0.32 of Texas' population was Hispanic. Write 0.32 as a percent.

$$0.32 = \frac{\boxed{}}{100}$$

Write 32 hundredths as a fraction.

$$= \frac{\boxed{}}{100}$$

Write the fraction as a percent.

HOMEWORK ASSIGNMENT

Page(s):

Exercises:

Check Your Progress**GASES** The atmosphere is composed of gases. About 0.78 of the atmosphere is nitrogen. Write 0.78 as a percent.