

# Percents and Decimals

Math: 28%  
Art: 16%

Science: 21%  
English: 13%

Social Studies: 15%  
Other: 7%

1. Write a fraction with a denominator of 100 to represent the percent for each subject.

Math:  $\frac{\boxed{\phantom{000}}}{100}$

Science:  $\frac{\boxed{\phantom{000}}}{100}$

Art:  $\frac{\boxed{\phantom{000}}}{100}$

Social Studies:  $\frac{\boxed{\phantom{000}}}{100}$

English:  $\frac{\boxed{\phantom{000}}}{100}$

Other:  $\frac{\boxed{\phantom{000}}}{100}$

2. Write each fraction from Exercise 1 as a decimal.

Math:  $\boxed{\phantom{0.000}}$

Science:  $\boxed{\phantom{0.000}}$

Art:  $\boxed{\phantom{0.000}}$

Social Studies:  $\boxed{\phantom{0.000}}$

English:  $\boxed{\phantom{0.000}}$

Other:  $\boxed{\phantom{0.000}}$

## Guided Practice

Write each percent as a decimal. (Examples 1–3)

1. 27% = \_\_\_\_\_

2. 15% = \_\_\_\_\_

3. 4% = \_\_\_\_\_

Show your work.

Write each decimal as a percent. (Examples 4 and 5)

4. 0.3 = \_\_\_\_\_

5. 0.82 = \_\_\_\_\_

6. 0.51 = \_\_\_\_\_

7. **STEM** About 0.7 of the human body is water. What percent is equivalent to 0.7? (Example 6) \_\_\_\_\_

# Independent Practice

Write each percent as a decimal. (Examples 1–3)

1.  $35\% =$  \_\_\_\_\_

2.  $2\% =$  \_\_\_\_\_

3.  $31\% =$  \_\_\_\_\_

4.  $95\% =$  \_\_\_\_\_

Show your work

Write each decimal as a percent. (Examples 4 and 5)

5.  $0.22 =$  \_\_\_\_\_

6.  $0.79 =$  \_\_\_\_\_

7.  $0.1 =$  \_\_\_\_\_

8.  $0.16 =$  \_\_\_\_\_

9. **Financial Literacy** A bank offers an interest rate of 4% on a savings account. Write 4% as a decimal. (Examples 1–3)

\_\_\_\_\_

10. When making a peanut butter and jelly sandwich, 96% of people put the peanut butter on first. Write 96% as a decimal. (Examples 1–3)

\_\_\_\_\_

11. In a recent year, 0.12 of Americans downloaded a podcast from the Internet. What percent is equivalent to 0.12?

(Example 6) \_\_\_\_\_

12. In a recent year, the number of homes with digital cameras grew 0.44 from the previous year. Write 0.44 as a percent. (Example 6)

\_\_\_\_\_

28. In one day at a store, 7% of the sales were from shoes. Write 7% as a decimal.

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