

# Lesson Notes 7.6

NAME \_\_\_\_\_

Module 7    Ratio, Proportion, and Percent  
Lesson 6    Using Percent Equations

## Lesson Objectives

- Find a percent of a given number.
- Find what percent one number is of another number.
- Find a number when a percent of it is given.
- Use equations to solve percent problems.

## Subtopic 1    Find the Percent of a Number

**1** There are 250 seats at Sunburst Theater. If 30% of the seats are filled, how many seats are filled?

**2** Tia sold a baseball card for 300% of what she paid for it. She paid \$12 for the card. For how much did Tia sell the card?

**Subtopic 2****Find What Percent One Number Is of Another Number**

A variable is a \_\_\_\_\_ or other \_\_\_\_\_ that represents a number or other mathematical value.

If it represents a \_\_\_\_\_, it is also called a numerical variable.

**3**

Sean had \$140. After buying new sunglasses, he has \$112 left. What percent of his money did Sean spend on sunglasses?

**4**

What percent of 50 is 75?

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**Subtopic 3     Find a Number When a Percent of It Is Given**

**5** Dino spent 15% of his money to buy books. The books cost \$30. How much money did Dino have before he bought the books?

**6** Seven-hundred people visited a museum Saturday. This was 200% of the number of people who visited Friday. How many people visited the museum Friday?