

# STRETCH

LESSON 3C

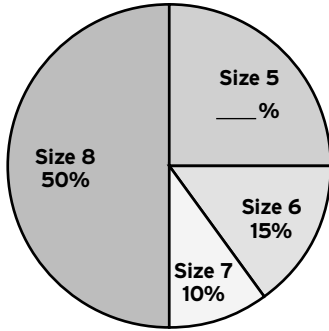


## Reason About Percent

### ENGAGE

### Analyze a Problem

The pie chart shows PayMore's shoe sales. Based on this trend, what percent of shoes should PayMore buy in size 5?



PayMore should buy \_\_\_\_\_% of shoes in size 5.

### EXPLORE

#### STRATEGY BANK

Write an Equation

Draw a Model

Look for Patterns

Make a List

Guess-and-Check

Work Backwards

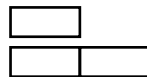
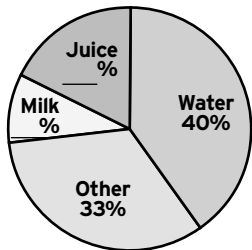
Simplify the Problem

### Solve a Problem Using Multiple Strategies

➤ Represent the ratio with a bar model. Then, find the missing numbers in percent form to complete the pie chart.

Draw a Model

The pie chart shows Super-Mart's beverage sales. Super-Mart sells twice as much juice as milk. What percent of Super-Mart's beverage sales is milk?

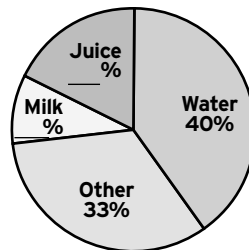


Milk is \_\_\_\_\_% of Super-Mart's beverage sales.

➤ Simplify the problem by rewriting the ratios as fractions. Use the fractions to find the missing numbers in percent form.

Simplify the Problem

The pie chart shows Super-Mart's beverage sales. Super-Mart sells twice as much juice as milk. What percent of Super-Mart's beverage sales is milk?



Milk is \_\_\_\_\_% of Super-Mart's beverage sales.

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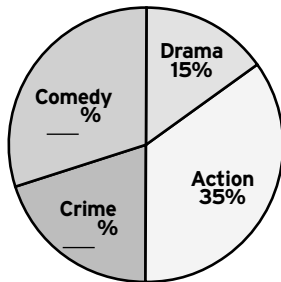


## Reason About Percent *(continued)*

### PRACTICE

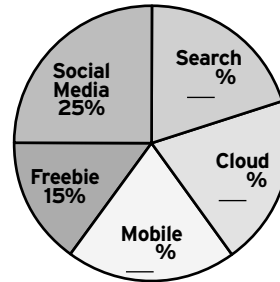
### Apply Your Skills to Solve More Problems

The pie chart shows the results of an audience poll at a movie theater. The ratio of the audience that preferred comedy films to crime films is 3:2. What percent of the trailers should be comedy?



Comedy should be \_\_\_\_\_% of the trailers.

The pie chart shows a company's advertising budget. The company spends equal amounts on search, cloud, and mobile advertising. What percent of its budget does the company spend on mobile advertising?



The company spends \_\_\_\_\_% of its budget on mobile advertising.

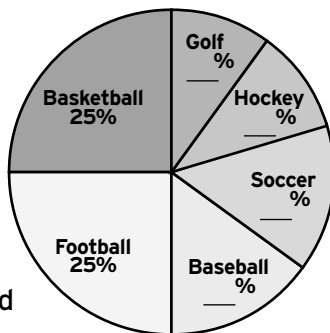
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### CHALLENGE

### Solve a Complex Problem

► Use the clues to complete the pie chart.

- The percent of golf merchandise sold is equal to the percent of hockey merchandise sold.
- The percent of soccer merchandise sold is equal to the percent of baseball merchandise sold.
- The ratio of golf and hockey merchandise sold to soccer and baseball merchandise sold is 2:3.



### REFLECT

### Wrap Up

► How did you use the structure of the pie chart to help you fill in the missing amounts?

I used the structure of the pie chart to fill in the missing amounts by \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_