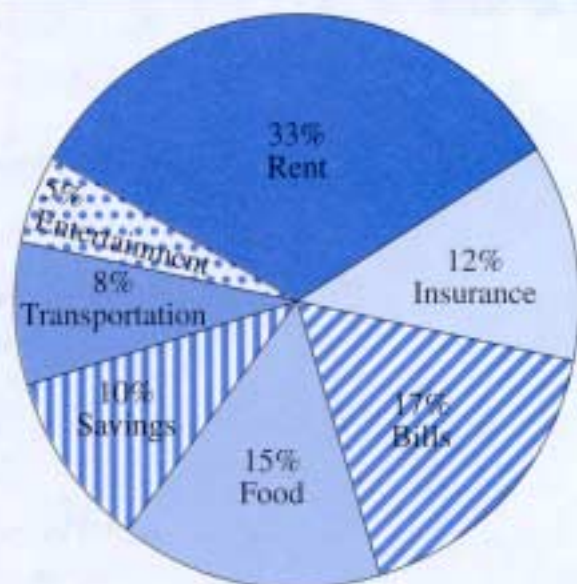


# 14 Circle Graphs

## Here's How

Circle graphs compare data as parts of a whole.

### HOUSEHOLD BUDGET BASED UPON A SALARY OF \$30,000



This circle graph shows a household budget based upon a salary of \$30,000.

Find the largest wedge of the chart.

- ▶ What expense makes up the largest share of the budget?

The largest portion is labeled "Rent." It makes up 33% of the total budget. This is the largest percentage listed.

The answer is **rent**.

## Try These

Use the circle graph in *Here's How* to answer each question.

Add the two percentages.

- ▶ 1. What percentage of the budget is for savings and entertainment? \_\_\_\_\_

To find 10% of \$30,000, multiply \$30,000 by 10%. Write 10% as a decimal (0.10).

- ▶ 2. According to the chart, how much money is set aside for savings? \_\_\_\_\_


 Go Ahead

Use the circle graph in *Here's How* to answer each question.

Use the equation  
 $?% \times \$30,000 = \underline{\hspace{2cm}}$

**TIP**  
*50% is half.*

1. What percentage of the budget is used for transportation? \_\_\_\_\_
- ▶ 2. How much money is spent on food? \_\_\_\_\_
3. What is the total percentage of the budget? \_\_\_\_\_
4. How much money is used for insurance and bills?  
 \_\_\_\_\_
5. What four categories total exactly half the budget?  
 \_\_\_\_\_
6. If insurance costs were reduced to 9% of the budget, how much could the percentage for entertainment be increased? \_\_\_\_\_
7. If transportation costs decreased to 3%, how much could the percentage for savings be increased? \_\_\_\_\_
8. What percentage of the total budget is spent on rent and food? \_\_\_\_\_
9. Which makes up more of the total budget: food and rent or insurance, transportation, and bills?  
 \_\_\_\_\_
10. If your rent increased and you had to increase the percentage for it by 5%, what categories would you change to make the adjustment? Explain your answer.  
 \_\_\_\_\_  
 \_\_\_\_\_