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

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. ____________________________________________________________________