

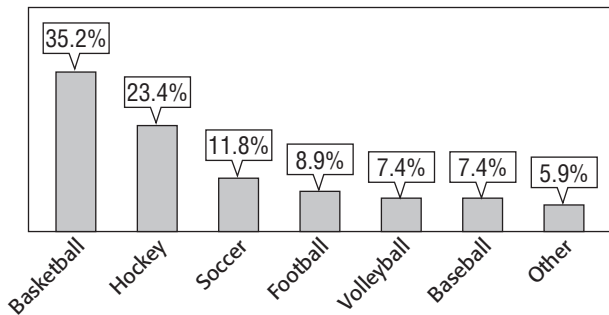
Lesson 1 Problem-Solving Practice

Percent of a Number

SPORTS For Exercises 1 and 2, use the graph below. It shows the results of a poll of 440 ninth-grade students. Round answers to the nearest whole number.

PETS For Exercises 3 and 4, use the table below. It shows the pet ownership in a town of 1,650 households. Round answers to the nearest whole number.

Favorite Sports of Students



Pets in Household	Percent
At least one dog or cat	26.7
At least one dog	19.9
At least one cat	13
At least one dog and one cat	6.19

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Write the percent as a fraction to find how many students surveyed chose hockey as their favorite sport. Solve.</p> | <p>2. How many students surveyed chose basketball as their favorite sport?</p> |
| <p>3. Write the percent as a decimal to find how many households have at least one dog. Solve.</p> | <p>4. How many households have at least one dog and one cat?</p> |
| <p>5. VOTING Going into a recent election, only about 62% of people old enough to vote were registered. In a community of about 55,200 eligible voters, how many people were registered?</p> | <p>6. COLLEGE A local college recently reported that enrollment increased to 108% percent of last year. If enrollment last year was at 17,113, about how many students enrolled this year? Round to the nearest whole number.</p> |