Lesson 1 Skills Practice

Make Predictions

For Exercise 1–4, use the table and the following information. A survey of students' favorite sports was taken from a random sample of students in a school. The results are shown in the table.

Students' Favorite Sports	
Soccer	8
Baseball/Softball	3
Volleyball	5
Track & Field	4

1. What is the size of the sample?

   19

2. What is the probability that a student will prefer soccer?

   8/19

3. What is the probability that a student will prefer volleyball?

   5/19

4. There are 550 students in the school. Predict how many students at the school prefer track and field.

   137 students

Use the percent equation to help you solve.

5. GARDENING A survey showed that 74% of a nursery's mail-order customers spent more than $100 on plants each spring. Predict how many of 125,000 mail-order customers will spend less than $100 on plants next spring.

   800 people

6. SAVING MONEY A survey of high school students with jobs asked whether the students saved some of the money they earned. 82% of the students said they saved some money. Out of 340 students, predict how many would save some of their earnings.

   241 saved their savings

7. TRAVEL COMPANY CUSTOMERS A survey showed that 55% of a travel company's customers were planning an overseas vacation the following year. Predict how many of the travel company's 12,400 travelers will vacation overseas the following year.

   435