

# 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?

20 of the students all listed on board all like different sports

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

8 out of 20

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

5 out of 20

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

probably 300 because people dont like sports that much

### 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.

like 100,000 people less would get 100 less

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.

about 30% might keep there money cause some people spend it on stuff

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.

45% of people might travel on vacation because some people are broke