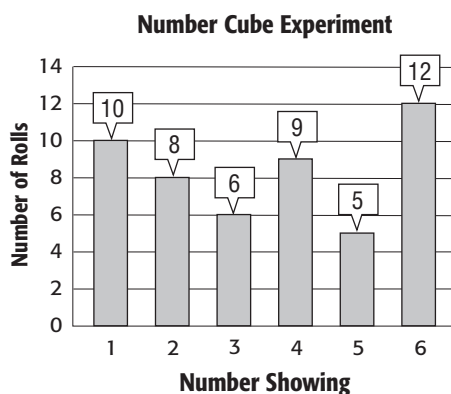


Lesson 2 Skills Practice

Theoretical and Experimental Probability

1. A number cube is rolled 50 times and the results are shown in the graph below.



- a. Find the experimental probability of rolling a 2.
- b. What is the theoretical probability of rolling a 2?
- c. Find the experimental probability of *not* rolling a 2.
- d. What is the theoretical probability of *not* rolling a 2?
- e. Find the experimental probability of rolling a 1.
2. **SEASONS** Use the results of the survey at the right.
- a. What is the experimental probability that a person's favorite season is fall? Write the probability as a fraction.
- b. Out of 300 people, how many would you expect to say that fall is their favorite season?
- c. Out of 20 people, how many would you expect to say that they like all the seasons?
- d. Out of 650 people, how many more would you expect to say that they like summer more than they like winter?

