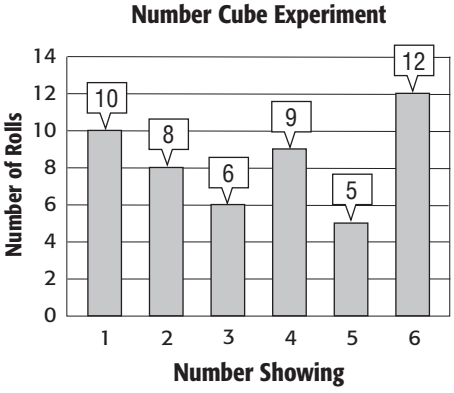
NAME _____ DATE _____ PERIOD _____

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. $\frac{4}{25}$

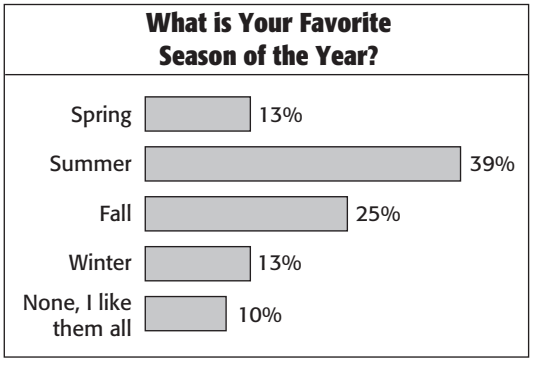
b. What is the theoretical probability of rolling a 2? $\frac{1}{6}$

c. Find the experimental probability of *not* rolling a 2. $\frac{21}{25}$

d. What is the theoretical probability of *not* rolling a 2? $\frac{5}{6}$

e. Find the experimental probability of rolling a 1. $\frac{1}{5}$

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. $\frac{1}{4}$

b. Out of 300 people, how many would you expect to say that fall is their favorite season? 75

c. Out of 20 people, how many would you expect to say that they like all the seasons? 2

d. Out of 650 people, how many more would you expect to say that they like summer more than they like winter?

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