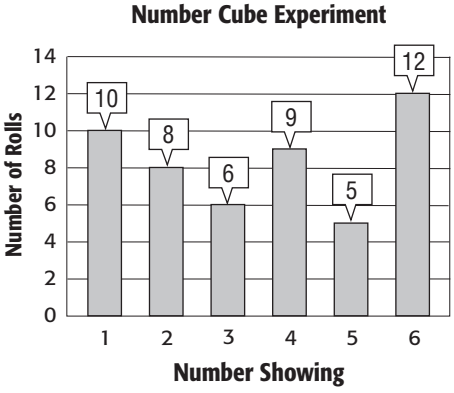
NAME Natalee Costa DATE 4/27/21 PERIOD 4

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.
p 8/50

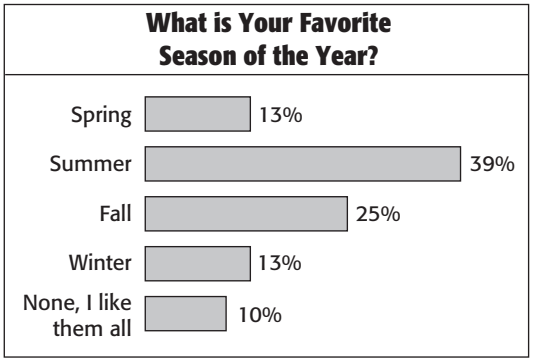
b. What is the theoretical probability of rolling a 2?
p 6/50

c. Find the experimental probability of *not* rolling a 2.
p 42

d. What is the theoretical probability of *not* rolling a 2?
p 34

e. Find the experimental probability of rolling a 1.
p 50

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.
25/100

b. Out of 300 people, how many would you expect to say that fall is their favorite season?
20/100

c. Out of 20 people, how many would you expect to say that they like all the seasons?
20/100

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

15/100