

CRCT GPS Practice ■ Chapter 11

LESSON 11-1

Determine whether each event is impossible, unlikely, as likely as not, likely, or certain.

1. flipping a coin and getting heads twelve times in a row
2. drawing a green bead from a bag of white and red beads
3. The probability of rolling a 2 on a number cube is $\frac{1}{6}$. What is the probability of not rolling a 2?

LESSON 11-2

4. Bess bowls a strike on 6 out of 15 tries. What is the experimental probability that she will bowl a strike on her next try? Write your answer as a fraction, as a decimal, and as a percent.
5. For the past 10 days, a city planner has counted the number of northbound cars that pass through a particular intersection. During that time, 200 or more cars were counted 9 out of 10 days.
 - a. What is the experimental probability that there will be 200 or more northbound cars passing through the intersection on the eleventh day?
 - b. What is the experimental probability that there will not be 200 or more northbound cars passing through the intersection on the eleventh day?

LESSON 11-3

6. Ronald flips a coin and rolls a number cube at the same time. What are all the possible outcomes? How many outcomes are in the sample space?
7. For lunch, Amy can choose from a salad, a taco, a hamburger, or a fish fillet. She can drink lemonade, milk, juice, or water. What are all the possible outcomes? How many outcomes are in the sample space?
8. A café makes 23 flavors of ice cream. You can get each flavor in a waffle cone, a sugar cone, a cake cone, or a cup. How many outcomes are possible?

LESSON 11-4

Find the probability of each event. Write your answer as a fraction, as a decimal, and as a percent.

9. rolling a number less than 5 on a fair number cube
10. randomly drawing a pink sock out of a drawer of 6 pink, 4 black, 8 white, and 2 blue socks all of the same size

