



Section C: Lessons 5-10 through 5-13 Review

Do You Know How?



Predicting Outcomes (5-10)

There are 6 blue marbles, 5 red marbles, and 4 green marbles in a bag. You draw one marble out of the bag.

1. Which color marble are you most likely to draw out of the bag?
2. Is drawing a red marble more or less likely than drawing a green marble?
3. Are any of the colors equally likely?

Do You Understand?



- A Describe an event about drawing a marble that is impossible.
- B Tell how you determined the answer to Exercise 3.

Listing Outcomes (5-11)

A concession stand offers hamburgers, hot dogs, or chicken as main dishes; french fries or fruit as side dishes; and water, soda, or juice as beverages.

4. Draw a tree diagram to determine how many different lunches there are.
5. How many lunches include soda?
6. How many lunches include a hot dog and french fries?

- C Explain how you could have found the answer to Exercise 4, without using a tree diagram.
- D Explain how the number of outcomes would change if chicken was not offered as a main dish.

Expressing Probability as a Fraction (5-12)

Use the spinner.

7. Find P (green)
8. Find P (red)
9. Find P (blue)
10. Find P (not blue)
11. Name two colors that have an equal chance of occurring.



- E Tell how you found the probability in Exercise 10.
- F Explain how to determine which colors have an equal chance of occurring.
- G Does any one color have the greatest chance of occurring? Explain why or why not.