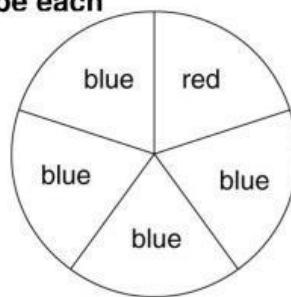


**Practice B****11-1 Introduction to Probability**

Write the probability as a fraction. Then write *impossible*, *unlikely*, *as likely as not*, *likely*, or *certain* to describe each event.

1. landing on blue \_\_\_\_\_
2. landing on green \_\_\_\_\_
3. landing on red \_\_\_\_\_
4. landing on blue or red \_\_\_\_\_
5. You will spin the spinner clockwise. \_\_\_\_\_



Write each probability as a decimal and as a fraction.

6. There is a 10% chance of rain tomorrow. \_\_\_\_\_
7. There is a 75% chance of snow tomorrow. \_\_\_\_\_
8. There is a 25% chance of hail tomorrow. \_\_\_\_\_

Compare probabilities.

9. Are you more likely to win a color TV or a watch?  
\_\_\_\_\_
10. Are you more likely to win a DVD player or a stereo?  
\_\_\_\_\_
11. Are you more likely to win a diamond ring, a DVD player, or a stereo?  
\_\_\_\_\_

Prize Winning Probabilities	
Color TV	17/100
DVD player	22/100
Watch	13/100
Stereo	21/100
Diamond ring	27/100

A bag has 3 blue marbles, 4 green marbles, and 1 black marble.

Find the probability of picking a black marble. Find the probability of NOT picking a black marble. **Write as a fraction, decimal, and percent.**

12.  $P(\text{black})$

13.  $P(\text{not black})$

Draw picture



**Practice C****Introduction to Probability**

Write **impossible**, **unlikely**, **as likely as not**, **likely**, or **certain** to describe each event.

14. Your teacher will assign homework. \_\_\_\_\_

15. You will be younger next year. \_\_\_\_\_

16. You will find \$10 on your way home from school. \_\_\_\_\_

17. You will hear about probabilities on the weather channel. \_\_\_\_\_

**Write each probability as a decimal and as a percent.**

18. Carolyn has a  $\frac{4}{5}$  chance of making a free throw shot. \_\_\_\_\_

19. Tom has a  $\frac{2}{5}$  chance of making a free throw shot. \_\_\_\_\_

20. Antoine has a  $\frac{3}{5}$  chance of making a free throw shot. \_\_\_\_\_

**Compare probabilities.**

21. Are you more likely to land on blue or yellow?

22. Are you more likely to land on green or red?

What is the probability of blue and Not blue as a fraction, decimal and percent?

23.  $P(\text{blue})$

24.  $P(\text{not blue})$

25. A bag contains dimes and quarters. The probability of picking a dime from the bag of is  $\frac{5}{9}$ . What is the probability of picking a coin that is **not** a dime?  $P(\text{NOT dime})$

26. A bag contains blue, green, and red counters. The probability of picking a blue counter from a bag is  $\frac{3}{8}$ . The probability of picking a red counter is  $\frac{3}{8}$ . What is the probability of picking a green counter as a fraction?

