

**LESSON**  
**11-2**

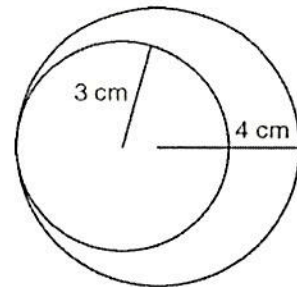
**Practice B**  
***Theoretical and Experimental Probability***

**Solve.**

1. A fruit bowl contains 4 green apples and 7 red apples. What is the probability that a randomly selected apple will be green? \_\_\_\_\_
2. When two number cubes labeled 1–6 are rolled, what is the probability that the result will be two 4's? \_\_\_\_\_
3. Joanne is guessing which day in November is Bess's birthday. Joanne knows that Bess's birthday does not fall on an odd-numbered day. What is the probability that Joanne will guess the correct day on her first try? \_\_\_\_\_
4. Tom has a dollar's worth of dimes and a dollar's worth of nickels in his pocket.
  - a. What is the probability he will randomly select a nickel from his pocket? \_\_\_\_\_
  - b. What is the probability he will randomly select a dime from his pocket? \_\_\_\_\_
5. Clarice has 7 new CDs; 3 are classical music and the rest are pop music. If she randomly grabs 3 CDs to listen to in the car on her way to school, what is the probability that she will select only classical music? \_\_\_\_\_

6. Find the probability that a point chosen at random inside the larger circle shown here will also fall inside the smaller circle.

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**Frank is playing darts. The results of his throws are shown in the table below. Assume that his results continue to follow this trend.**

Color Hit	Number of Throws
Blue	12
Red	5
White	2

**Find the experimental probability of each event.**

7. Frank's next throw will hit white. \_\_\_\_\_
8. Frank's next throw will hit blue. \_\_\_\_\_
9. Frank's next throw will hit either red or white. \_\_\_\_\_
10. Frank's next throw will NOT hit red. \_\_\_\_\_