

## LESSON

**8-2****Practice C*****Experimental Probability***

**Find the experimental probability. Write your answer as a fraction, as a decimal, and as percent.**

1. Luke is practicing his tennis serve. If he gets 21 out of 27 serves in, what is the experimental probability that he will get the next serve in? \_\_\_\_\_
  
2. Jose saw 50 people. Fourteen of them were wearing red shirts and 17 were wearing blue shirts. What is the experimental probability that the next person he sees will be wearing a blue shirt? \_\_\_\_\_

**Solve.**

3. During an exit survey after a play, 75 of the first 120 people surveyed said they did not like the play.
  - a. What is the experimental probability that the next person surveyed will say he or she liked the play? \_\_\_\_\_
  - b. What is the experimental probability that the next person surveyed will say he or she did not like the play? \_\_\_\_\_
  
4. For the past two weeks, Jimmy has been counting the number of joggers in the park between 8 P.M. and 9 P.M. each evening. In that time, there have been 40 or more joggers on 7 out of 14 days.
  - a. What is the experimental probability that that there will be 40 or more joggers on the fifteenth day? \_\_\_\_\_
  - b. What is the experimental probability that that there will be fewer than 40 joggers on the fifteenth day? \_\_\_\_\_
  
5. If Kathy hit the dartboard 9 out of 15 times and Toby hit the dartboard 14 out of 20 times, who has the greater experimental probability of hitting the dartboard on his or her next try? \_\_\_\_\_
  
6. Mona works at a snack bar. Of the first 25 hot dogs ordered one day, 19 were ordered with sauerkraut. If the snack bar expects to sell 150 hot dogs on any day, how many would they expect to be ordered with sauerkraut? \_\_\_\_\_