

LESSON
5-2**Experimental Probability of Simple Events*****Practice and Problem Solving: A/B*****Solve.**

1. Jolene is playing basketball. She scored 11 baskets in 15 free throws. What is the experimental probability that she will score a basket on her next free throw?

2. Sarah has gone to work for 60 days. On 39 of those days, she arrived at work before 8:30 A.M. On the rest of the days she arrived after 8:30 A.M. What is the experimental probability she will arrive after 8:30 A.M. on the next day she goes to work?

3. For the past four weeks, Micah has been recording the daily high temperature. During that time, the high temperature has been greater than 45°F on 20 out of 28 days. What is the experimental probability that the high temperature will be below 45°F on the twenty-ninth day?

4. After the movie, 99 out of 130 people surveyed said they liked the movie.
 - a. What is the experimental probability that the next person surveyed will say he or she liked the movie?

 - b. What is the experimental probability that the next person surveyed will say he or she did not like the movie?

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

5. For the past 40 days, Naomi has been recording the number of customers at her restaurant between 10:00 A.M. and 11:00 A.M. During that hour, there have been fewer than 20 customers on 25 out of the 40 days.
 - a. What is the experimental probability there will be fewer than 20 customers on the forty-first day?

 - b. What is the experimental probability there will be 20 or more customers on the forty-first day?
