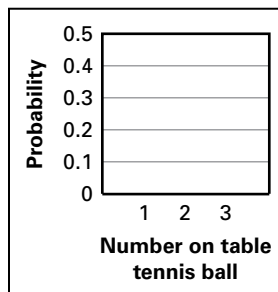
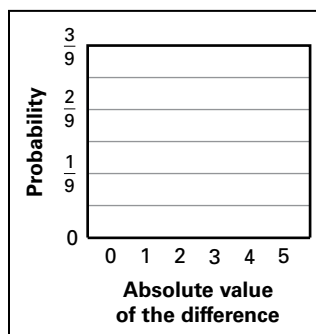


**LESSON
6.2****Practice A***For use with the lesson "Construct and Interpret Binomial Distributions"***Make a table and a histogram showing the probability distribution for the random variable.**

1. B = the number on a table tennis ball randomly chosen from a bag that contains 4 balls labeled "1", 4 balls labeled "2", and 2 balls labeled "3."



2. D = the absolute value of the difference when two six-sided dice are rolled.

**Calculate the probability of tossing a coin 15 times and getting the given number of heads.**

3. 4 4. 7 5. 10 6. 2

Calculate the probability of randomly guessing the given number of correct answers on a 20-question multiple choice exam that has choices A, B, C, and D for each question.

7. 5 8. 10 9. 15 10. 20

11. **Automobile Accidents** An automobile-safety researcher claims that 1 in 10 automobile accidents are caused by driver fatigue. What is the probability that at least three of five automobile accidents are caused by driver fatigue?
12. **Pet Allergies** An analyst claims that about 70% of U.S. households own either a cat or a dog, and an estimated 10% of the U.S. population is allergic to animals.
- What is the probability that exactly 1 person in a class of 20 students owns either a cat or a dog? (Assume that no two students in the class come from the same household.)
 - What is the probability that at most 3 students in a class of 20 students are allergic to animals?