Lesson 4 Skills Practice

Simulations

1. **QUIZZES** Describe a situation that you could use to answer a 15-question quiz, if five questions are true or false questions.

   You can flip a coin, heads for true and tails for false

2. **PRIZES** During the grand opening of a fast food restaurant, every person that comes to the the restaurant receives a prize. There are 6 different prizes. Describe a model that could be used to simulate which prizes the first 75 customers will receive.

   Roll a die because a die has 6 sides

3. **STUDENT COUNCIL** Mrs. Corley wants to randomly choose 3 students to represent her homeroom on student council. There are 30 students in the class. Describe a model that could be used to simulate this situation.

   you can draw names out of a hat

4. **SALES** A music store has determined that 65% of customers who buy a compact disc buy a pop music compact disc. Describe a model that you could use to simulate a CD purchase.   A spinner with 3 sides

5. **SANDWICHES** A sandwich shop offers 6 different types of sandwiches on either white or wheat bread. If each type of sandwich and bread is equally likely to be chosen by a customer, describe a model that could be used to simulate the orders of the next 10 customers.

   you can roll a die and flip a coin