1. A bag contains 6 quarters, 8 dimes, and 9 nickels. If you pick one without looking, what is the probability that you will choose a dime or a quarter?
2. Assume that 70% of mountain visitors are skiers and 30% are snowboarders. Of skiers, 40% wear a helmet. What is the likelihood that you will see a skier who is wearing a helmet?
3. A bowl of candy is filled with green and yellow skittles and m&m’s. 60% of the candy is m&m’s and 40% of the candy is green, and 30% of the candy is green m&m’s. Of m&m’s, how many are green?
4. 1 out of every 10 apples on a tree has a worm. If you pick 7 apples, what is the probability that 3 or more of those apples have a worm?
5. If you are rolling a 12-sided die (numbered 1-12), what is the probability of rolling an odd or prime number?
6. What is the probability that the sum of two die will be greater than 8, given that the first die is 6?
7. An NFL quarterback completes 35% of passes longer than 15 yards. If he makes 12 pass attempts of over 15 yards in a game, what is the probability that he completes 7 or more such passes?