Name: _____ Date: _____

Chapter 5 Gifted and Enrichment

1. Create a diagram of a spinner that has four sections labelled A, B, C, and D. Section C is twice as big as section B. Section D is the same size as section C, and section B is one third the size of section A. What is the probability of spinning C twice in a row on this spinner?	**2.** There are three six-sided number cubes. The first number cube is labelled 2, 2, 5, 5, 6, 6. The second number cube is labelled 1, 1, 2, 2, 2, 3. The third number cube is labelled 1, 2, 4, 4, 5, 5. If all three number cubes are rolled together, what is the probability of rolling a sum greater than 13?
3. You have two bags. One bag contains two quarters and two nickels while the second bag contains two red, two yellow, and one blue gummy bear. Create a tree diagram to show all the possible outcomes of drawing one coin and one gummy bear. What is the probability, expressed as a percent, that you could draw a quarter from one bag and a yellow gummy bear from the other bag?	**4.** Janice has two pairs of blue socks, two pairs of beige socks, and one pair of black socks in one drawer. She has two white T-shirts, one blue T-shirt, and three red T-shirts in the next drawer. In the third drawer, she has two pairs of blue shorts, three pairs of blue jeans, and one pair of brown cords. What is the probability she will select blue socks, blue jeans, and a red T-shirt? Express your answer as a percent.