Bellwork Friday, May 9, 2014

1. You still have the following Halloween candy left in a bag: 5 Snickers, 3 pieces of gum, and 4 Milky Way.

a) You randomly grab one eat it then randomly grab another and eat it. Find this probability as a fraction.

P(Snickers and Snickers)

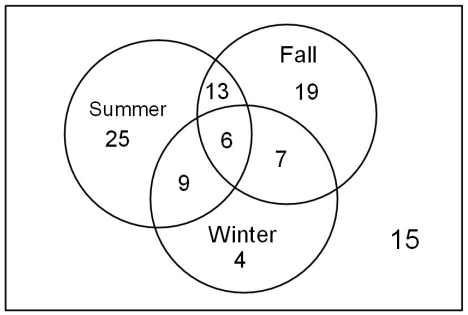
b) You randomly grab one, look at it and decided not too eat it so you throw it back in the bag and randomly grab another one. Find this probability as a fraction.

P(Gum and Milky Way)

2. You are blowing up balloons for a birthday party. In the bag of balloons you bought there are 9 red, 5 green, and 6 blue balloons. You take a random balloon and blow it up and hang it from a chair. You then blow up another random balloon and hang it from another chair. Finally you blow up another random balloon. Find this probability as a fraction.

P(Green and Red and Green)

3. The Venn Diagram shows the results of a survey of people's favorite seasons. Find each probability as a fraction.



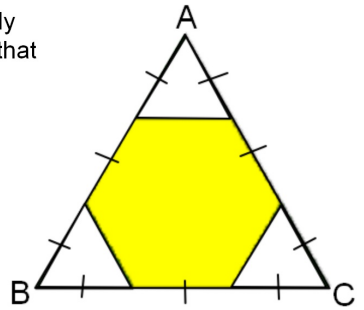
a) P(Winter)

b) P(Summer or Fall)

c) P(Fall and Winter but not Summer)

d) P(Winter or Summer but not Fall)

4. Assuming that a dart will land randomly inside triangle ABC. Find the probability that it lands in the shaded region.
Give your answer as a fraction.



5. Find the probability that a randomly selected point falls within the shaded region. Give your answer as a percent to the nearest tenth.