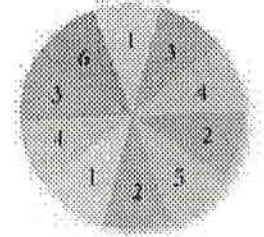


Probability Day 1 Homework

1. The spinner shown at right has ten equal-size sectors. Determine the probabilities of these outcomes.
 - a. You spin an odd number. \odot
 - b. You spin a number less than 4. \odot
 - c. You spin a number that is a perfect square. \odot



2. Consider rolling two fair dice.
 - a. What is the probability that the dice sum to more than 8? \odot
 - b. What is the most likely sum? What is its probability? \odot
 - c. What is the probability of rolling an even sum? \odot
3. If you draw a card at random from a standard deck of playing cards, what are the probabilities of these outcomes?
 - a. You draw a red card. \odot
 - b. You draw a 5 or a king. \odot
 - c. You draw a black 7. \odot
4. A gumball machine contains five colors of gumballs as indicated in the table. When you insert a quarter, you get one gumball.

| Color | Red | Yellow | Blue | Green | White |
|--------------------|-----|--------|------|-------|-------|
| Number of gumballs | 120 | 115 | 155 | 100 | 110 |

- a. What is the probability that you get a blue gumball?
- b. What is the probability that you get a blue or red gumball?
- c. What is the probability that you don't get a green gumball?