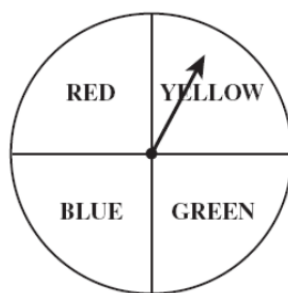


1. There are 4 red marbles, 8 blue marbles, and 13 green marbles in a bag. Jessica removed one green marble from the bag and did NOT put it back. She then randomly removed another marble. What is the probability that the second marble was green?

2. There are 3 cans of Coca Cola, 7 cans of Sprite, and 4 cans of Sunkist soda in a bucket of ice. If James first takes a can of Coca Cola, then what is the probability of Samantha randomly selecting a Sprite?

3. Ken is shopping at the market for quart of ice cream. In the freezer section there are 5 quarts of Rocky Road, 2 quarts of Cookies n' Cream, 4 quarts of Mint Chip, and 8 quarts of vanilla. Ken takes a quart of Rocky Road, but immediately puts it back. What is the probability that Ken randomly selects a quart of Mint Chip?

4. The spin board below is fair. Joshua and Melissa each take a chance flicking the spinner. If Joshua goes first and lands on blue, what is the probability that Melissa will also land on blue.



5. If a coin is flipped three times, what is the probability of getting two tails and a head in any combination?

6. A die was rolled six times and each time the outcome was a 1. If the die is rolled again, what is the probability that the outcome is a 1?

First Coin	Second Coin	Third Coin
H	H	H
H	H	T
H	T	H
H	T	T
T	H	H
T	H	T
T	T	H
T	T	T

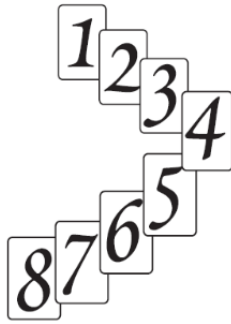
7. What is the probability of getting a tail when flipping a fair coin?

8. What is the probability of getting a six when rolling a fair die?

9. What is the probability of rolling an even for a fair die?

10. What is the probability of rolling a 1, 2, 5, or 6 for a fair die.

11. These 8 cards are placed face down and shuffled.

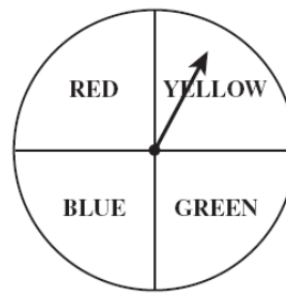


If Beatrice turns over only one card, what is the probability she will get a card with a number less than 5?

13. A bucket contains 3 bottles of apple juice, 5 bottles of orange juice, and 6 bottles of water. If Kira randomly selects a bottle, what is the probability that she will select a drink other than apple juice?

12. Fran has 18 CD's in a box: 7 country, 7 rock, 2 dance, and 2 classical. If she takes out one CD without looking, what is the probability that she will pick a rock or country CD?

14. The spinner shown below is fair. What is the probability that the spinner will NOT stop on red, yellow, or green if you spin it one time? State the probability as a percentage.



15. What is the probability of not tossing a tail with a fair coin?

16. Ken's first five paychecks for his job were \$115, \$102, \$76, \$67, and \$85. What is the mean?

17. The data below shows the number of points scored by the Clippers in the past six games.

86, 97, 90, 103, 108, 104

What is the median price?

18. A list of the number of trips the space shuttle has taken to the moon each year for the past ten years is shown below. What is the mode of the list?

8, 7, 1, 5, 3, 1, 2, 3, 2, 1

Answer Key:

- | | | | | | | | | |
|-------------------|-------------------|-------------------|---------------------|------------------|-------------------|------------------|------------------|------------------|
| 1) $\frac{1}{2}$ | 2) $\frac{7}{13}$ | 3) $\frac{4}{19}$ | 4) $\frac{1}{4}$ | 5) $\frac{3}{8}$ | 6) $\frac{1}{6}$ | 7) $\frac{1}{2}$ | 8) $\frac{1}{6}$ | 9) $\frac{1}{2}$ |
| 10) $\frac{2}{3}$ | 11) $\frac{1}{2}$ | 12) $\frac{7}{9}$ | 13) $\frac{11}{14}$ | 14) 25% | 15) $\frac{1}{2}$ | 16) \$89 | 17) 100 | 18) 1 |