1. You spin the spinner below once. What is the probability of landing on the color blue?

1. You have a bag of marbles containing 8 red marbles, 4 yellow marbles, and 12 blue marbles. If you randomly pick marble from the bag, what is the probability that you will get a blue marble?
2. Ms. Namatovu has 7 pieces of candy in her purse. 4 are jolly ranchers and 3 are snickers. If she reaches in her purse without looking, what is the probability that she will grab a jolly rancher? Express as a fraction and a percent.
3. You have a number of coins in your pocket, including nickels, dimes and quarters. The probability of picking a dime is 2/5. The probability of picking a quarter is 3/10. what is the probability of picking a nickel?

1. You roll a number cube 20 times, and the number eight appears 5 times. What is the experimental probability of getting an 8?
2. A die is rolled 12 times, and 6 comes up 4 times. How does the experimental probability compare with the theoretical probability?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The eight chips below are placed in a bag and then mixed up.

6

4

2

5

1

7

3

8

What is the probability that Rachel will pick an even numbered chip?

1. You flip a coin. How like is it that the coin will land on Heads rather than Tails?

 A. Certain

 B. Likely

 C. Equally likely

 D. Unlikely

 E. Impossible

1. A bag of M & M’s contains 16 blue, 25 red, 5 yellow, and 4 green. What is the probability that Scout will eat a yellow M & M?

* 1. About 2 %
	2. About 5 %
	3. About 6 %
	4. About 10 %

10.) A drawer of socks contains 28

 socks, 12 of which are black and 16

 are blue. What is the **probability of**

 **pulling a black sock** out of the drawer? Express as a fraction and a percent.

11.) Lakira has a number cube with

 1- 6. If she rolls the cube 72

 times, how many times would

 she expect to get a 4?

1. Shontya was early to class 15

 out of 20 times. Based on that

 rate, what is the probability that

 she will be early to class the

 next time?

1. 15%
2. 20%
3. 75%
4. 90%
5. Using the spinner below, if you spin the spinner 48 times, how many times can you expect it to land on an even number?
6. Zeke has a spinner with the numbers 1-10 on it. If he spins the spinner 80 times, how many times would he predict landing on the number 7?
7. Greg Fishel predicted rain correctly 9 out of 10 times. Based on that rate, what is the probability that he will be right next time?
	1. 9 %
	2. 10 %
	3. 75%
	4. 90%
8. Using the spinner below, how likely are you to spin a yellow rather than a blue?

 A. Certain

 B. Likely

 C. Equally likely

 D. Unlikely

 E. Impossible