socrative
A showbie PRODUCT

Name _____
Date _____

Probability

Score _____

1. Something that is unlikely to happen has a probability of between

(A) 0 and 0.5
(B) 0.5 and 1
(C) 1 and 2
(D) -1 and 0

2. Something that is likely to happen has a probability of between

(A) 0 and 0.5
(B) 0.5 and 1
(C) 1 and 2
(D) -1 and 0

3. What is the probability of rolling a 4 with a die? - 1 dice

(A) 4/6
(B) 1
(C) 0
(D) 1/6

4. What is the probability of getting heads when you toss a coin?

(A) 1
(B) 0.5
(C) 0.2
(D) 0.33

5. What is the probability of rolling an odd number with a die? - one dice

(A) one sixth

(B) one third

(C) one fifth

(D) one half

6. A coin is thrown 3 times. It lands on heads twice & tails once. What are the odds that the coin will land on tails the next throw?

(A) 1

(B) one half

(C) 0

(D) impossible to determine

7. A bag contains 7 buttons. Three of them are green. What is the probability of picking a green button from the bag?

(A) One seventh

(B) Two sevenths

(C) Three sevenths

(D) 1.5 / 3

8. Something that has an even chance of happening has a probability of

(A) 100%

(B) 50%

(C) 0%

(D) less than 50% most of the time

9. A bag contains just 5 buttons, all of which are blue. What are the odds of picking a red button from the bag

(A) 0

(B) 0.5

(C) 1

(D) not likely

10. A bag contains 4 white buttons. How many black buttons must be added so there is an even chance of picking a white button?

(A) 4

(B) 8

(C) 0

(D) 1/2 the number of white buttons

11. A six sided die is tossed twice in a row. What is the chance of getting a 6, then getting another 6?

(A) 1/6

(B) 1/36

(C) 1/12

(D) 2/12

12. A six sided die is tossed twice in a row. What is the chance of getting a 3, then getting another 3?

(A) 16.66%

(B) 12%

(C) 8.33%

(D) 2.77%

13. Define random.

(A) A choice or pick in which each outcome is equally likely.

(B) A choice or pick in which you get the desired outcome.

(C) A choice or pick in which you do not care about the outcome.

(D) Go ask Farmer Brown.

14. Define probability.

(A) Measuring outcomes in games of chance.

(B) The chance that something will happen.

(C) Recording percentages of events that occur.

(D) Developing statistics.

15. Define mode.

(A) It's a synonym for range. The difference between the lowest and highest value in the data set.

(B) The most likely recorded results in a frequency table.

(C) The value that occurs most frequently in a set of data. There can be more than one mode or no mode.

(D) The average in a data set.

16. What are the odds of getting heads three times consecutively when tossing a coin only three times?

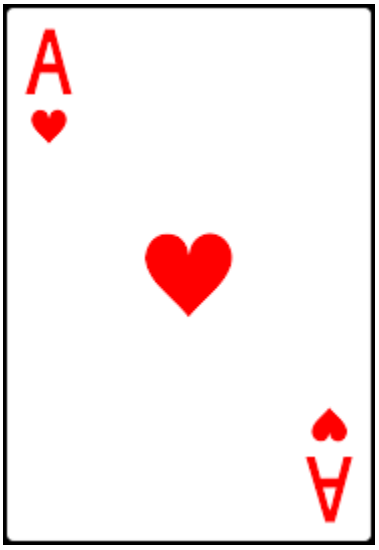
(A) 3/9 or 1/3

(B) 1/6

(C) 1/4

(D) 1/8

17. With a set of cards what is the chance of getting a card that is hearts but not an ace?



(A) 1/4

(B) 13/52

(C) 3/13

(D) 13/12

18. What is the probability of picking a vowel from a bag containing the letters to the word MILLION?

(A) 0.429

(B) 0.5

(C) 0.29

(D) The crystal ball is cloudy. Please come back tomorrow.

19. Natsuko has been practicing at darts. She hits the bulls-eye 3 out of 7 times. Estimate the probability of her not hitting a bulls-eye.

(A) Even odds

(B) Some of the time

(C) Most likely

(D) Not likely

20. If your batting average is 0.400 in baseball. How many hits would you expect to get in 20 at-bats?

(A) 4

(B) 8

(C) 12

(D) 10