

# QUIZIZZ

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

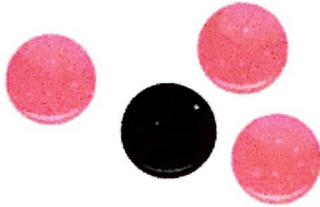
DATE : \_\_\_\_\_

## Probability 1

20 Questions

Tier A

1.



What is the probability of choosing a pink marble?

↳ to find probability  
↳  $\frac{\# \text{ of pink}}{\text{total possibilities}}$

a) Certain

b) Likely

c) Unlikely

d) Impossible

2.



What is the probability of choosing a blue marble?

↳ same idea as 1<sup>st</sup> one

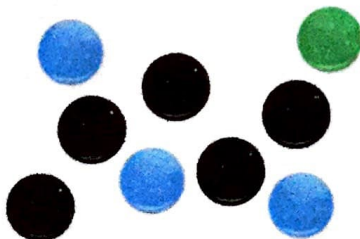
a) Certain

b) Likely

c) Unlikely

d) Impossible

3.



What is the probability of choosing a black marble?

↳ same idea as 1<sup>st</sup> one

a) Certain

b) Likely

c) Unlikely

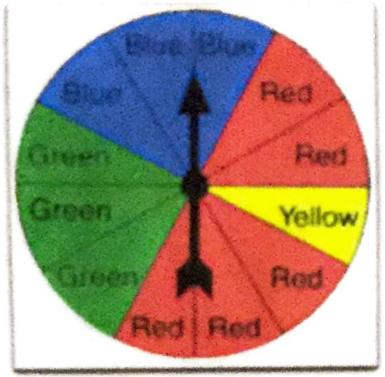
d) Impossible

4. A player for a football team gets injured and leaves the game. The coach says there is a  $\frac{9}{10}$  chance that the player will not play for the rest of the game. How likely is it that the player will be able to return to the game?

*If it is  $\frac{9}{10}$  he will not play. What is the chance he will play.*

- a) unlikely
- b) likely
- c) certain
- d) impossible

5.

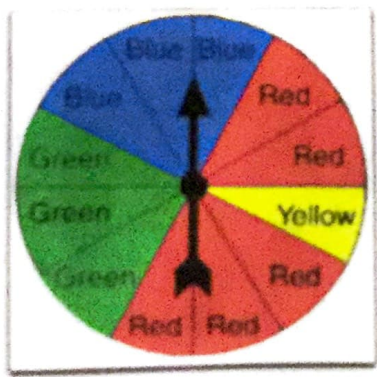


What is the probability of spinning green?

*↳ same idea as 1<sup>st</sup> page*

- a) 0
- b)  $\frac{1}{4}$
- c)  $\frac{1}{2}$
- d)  $\frac{3}{4}$

6.



What is the probability of spinning red?

*↳ same idea as 1<sup>st</sup> page*

- a) 0
- b)  $\frac{5}{12}$
- c)  $\frac{1}{2}$
- d)  $\frac{3}{4}$

7. The letters that form the word ALGEBRA are placed in a bowl. What is the probability of choosing a letter other than "A"?

*How many total letters?  
↳ and then,  
how many A's.*

- a) 2/7
- b) 5/49
- c) 5/7
- d) 10/49

8.



Find the probability of drawing a 10 from a standard deck of 52 cards.

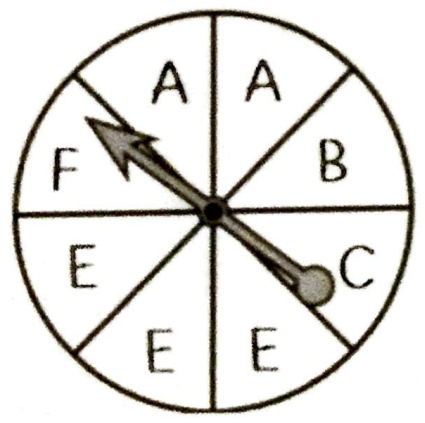
*How many 10's in a standard deck of cards?*

- a) 1 out of 52
- b) 13 out of 52
- c) 26 out of 52
- d) 4 out of 52

9. A bag contains 30 pieces of candy. There are 15 grape, 7 cherry, 3 lemon, 5 strawberry. What is the probability of drawing a lemon?

- a) 3
- b) 1/10
- c) 3/10
- d) 30%

10.



P(not A) - this means "probability of not getting an A"  
 =\*Remember to simplify.\*

- a) 6/8
- b) 3/4
- c) 2/8
- d) 1/4

11.



If you choose from the following M & M colors, what is the probability that you choose blue?

- 5 green
- 6 yellow
- 8 blue
- 7 brown

*What is the total?  
How many blues?*

- a) 8/26
- b) 4/13
- c) 8/25
- d) 1/3

12.

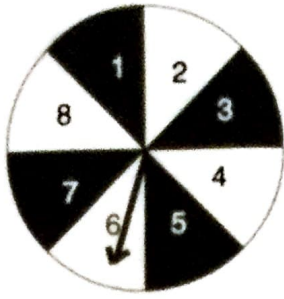
Red	Yellow	Blue	Green	Brown
5	11	7	10	5

*Total = \_\_\_\_\_*

The chart below represents the number of marbles in a jar.  $P(\text{green})$  - this means "probability of green" =

- a) 5/19
- b) 10/28
- c) 5/14

13.



What is the theoretical probability of the spinner landing on a 5?

*↳ what should happen with NO experiment.*

a)

$$\frac{1}{8}$$

b)

$$\frac{1}{2}$$

c)

$$\frac{5}{8}$$

d)

$$\frac{1}{5}$$

14. Experimental Probability is \_\_\_\_\_

a) data from our experiment

b) our prediction

15. Theoretical Probability is \_\_\_\_\_

a) data from our experiment

b) our prediction



A coin is tossed 18 times. It lands on heads 12 times. What

16. is the experimental probability of the coin landing on tails?

*reduce the fraction!*

*what actually happened when you performed the experiment?*

a)

$$\frac{1}{2}$$

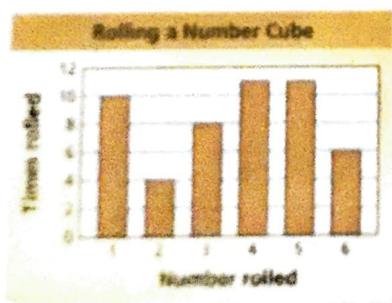
b)

$$\frac{2}{3}$$

c)

$$\frac{1}{3}$$

17.



The bar graph shows the results of rolling a number cube

\_\_\_\_\_ times

*How many times did you roll 1? \_\_\_\_\_*

*2? \_\_\_\_\_*

*3? \_\_\_\_\_*

*4? \_\_\_\_\_*

*5? \_\_\_\_\_*

*6? \_\_\_\_\_*

*Total = \_\_\_\_\_*

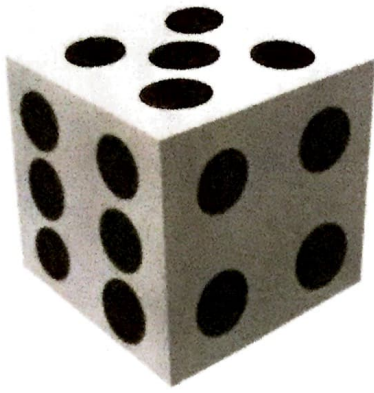
a) 6

b) 50

c) 100

d) 12

18.



How many sides are on a normal number cube?

a) 4

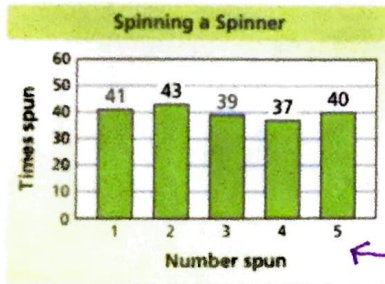
b) 6

c) 8

d) 10

e) 12

19.



The bar graph shows the results of spinning the spinner 200 times. What is the theoretical probability of landing on a 4?

*What are the possibly numbers to spin? So, then what's the chance of getting a 4?*

a)

$$\frac{4}{5}$$

b)

$$\frac{37}{50}$$

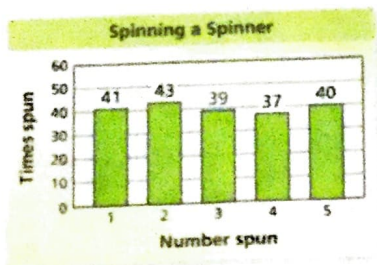
c)

$$\frac{1}{5}$$

d)

$$\frac{37}{200}$$

20.



The bar graph shows the results of spinning the spinner 200 times. What is the experimental probability of landing on a 3?

↓  
 What happened?  
 How many times did it  
 land on a 3?  
 How many total times  
 was it spun?

 a)

$$\frac{39}{200}$$

 b)

$$\frac{3}{50}$$

 c)

$$\frac{39}{50}$$

 d)

$$\frac{3}{200}$$