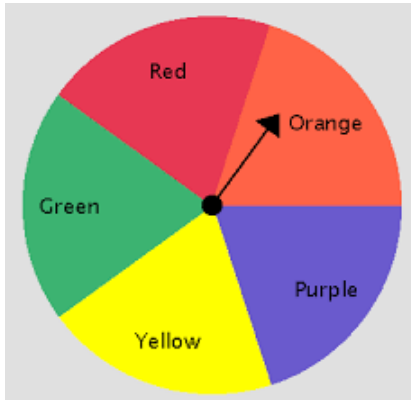


NAME : _____

CLASS : _____

DATE : _____

1.



What is the P(not purple) on this spinner?

a) $2/5$

b) $1/5$

c) $4/5$

d) $3/5$

2.



What is the probability of spinning an even number?

a) $16\frac{2}{3}\%$

b) $33\frac{1}{3}\%$

c) 50%

d) 75%

3. Find the probability of rolling a 7 on a single die.

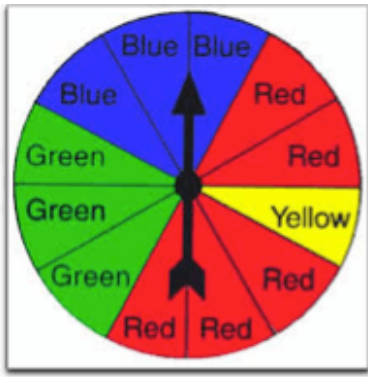
a) $1/6$

b) $7/6$

c) 0

d) $7/7$

4.



What is the probability of spinning red?

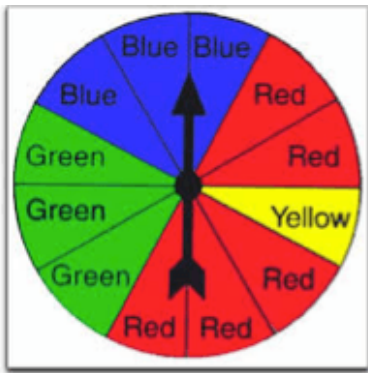
a) 0

b) $5/12$

c) $1/2$

d) $3/4$

5.



What is the probability of spinning green or blue?

a) 0

b) $5/12$

c) $1/2$

d) $3/4$

6. How do you write 0.020 as a percent?

a) 20%

b) 200%

c) 2%

d) .02%

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

a) $2/7$

b) $5/49$

c) $5/7$

d) $10/49$

8. The letters that form the word MATHEMATICS are placed in a bowl.
What is the probability of choosing a letter that is a vowel?

a) $8/121$

b) $4/11$

c) $2/11$

d) $4/121$

9. A set of all possible outcomes is known as -

a) a list

b) a complement

c) a sample space

d) an event

10.



Mrs. Hatch has 25 pairs of Birkenstock sandals, 3 pairs of pants and 4 blouses. How many unique outfits does Mrs. Hatch have available?

a) 300

b) 32

c) 25

d) 75

11.

experiment spinning the pointer

Letter	Frequency
Q	15
R	8
S	3
T	24

If these letters are in a bag, what is $P(\text{draw a Q})$?

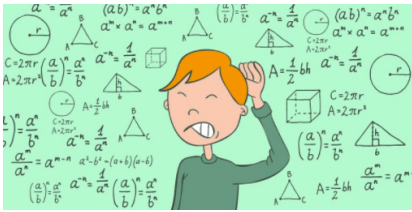
a) $15/15$

b) $3/10$

c) $3/50$

d) $7/10$

12.



How many different ways can 5 runners finish in first and second place?

- a) 10
- b) 25
- c) 18
- d) 20

13. I have a pair of red vans and blue vans and I have a pair of white socks. Which is the sample space of possible foot outfits?

- a) a shoe and a sock
- b) 3
- c) 2
- d) Red shoes & White socks, Blue shoes & White socks

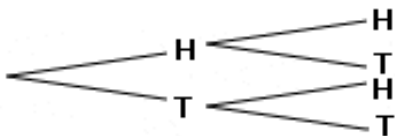
14.



A bag has 3 red marbles, 2 blue and 4 green and 1 yellow. What is the theoretical probability of pulling a red?

- a) 3/10
- b) 3/9
- c) 1/9
- d) 1/3

15.



Use the tree diagram to find the probability of tossing a head first and then a tail when a coin is tossed twice.

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

16. 52 people have entered a race. Which demonstrates how to determine the total number of ways the first three finishers can finish?

a) $52 \cdot 3$

b) $52 \cdot 51 \cdot 50$

c) $52!$

d) 52

17. What are the ways to measure the probability of something? {mark all that apply}

a) Fraction or ratio

b) The chance or likelihood of an event

c) Decimal

d) Percent

e) maybe or for sure

18.



Choosing 3 toppings for your sundae out of a list of 15, how many combinations would you have to choose from if you can repeat toppings

a) 45

b) 2730

c) 3375