

Name _____

Date _____

Write the correct answer.

- 1) Vinnie has signed up for trumpet lessons. He can take lessons on Monday, Tuesday, Thursday, or Friday, at 3:30 P.M. or at 4:30 P.M. How many choices does he have?

- 2) Notebooks come in green, red, blue, black, or yellow. They come with or without an inside pocket for papers. How many choices are there?

- 3) A restaurant offers a tossed salad or a Caesar salad. There is a choice of French, Italian, or ranch dressing. How many choices are there?

- 4) The bagel store has plain, onion, sesame, raisin, rye, or spinach bagels. Bagels can be served with plain cream cheese, herb cream cheese, or honey cream cheese. How many choices of a bagel with cream cheese are there?

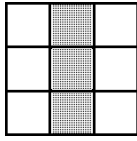
- 5) When finding the mathematical probability of an event, what denominator should you use?

- 6) You toss a cube numbered 1, 3, 5, 7, 9, 11. What is $P(3)$?

- 7) Use the spinner. What is $P(2 \text{ or } 4)$?



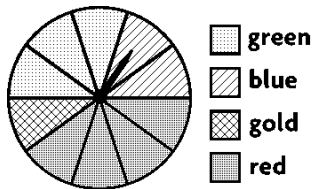
- 8) What is the probability of hitting the shaded section of the dart target?



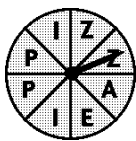
- 9) There are 4 answer choices for a test question. What is the probability of guessing the correct answer?

- 10) Ron rolls a number 4 on a cube numbered 1–6. What are Sue's chances of rolling a 5 or a 6?

- 11) There are 10 sections on a spinner. There are 3 green sections, 1 gold section, 2 blue sections, and 4 red sections. Which color will the pointer probably stop on most often?



Use the spinner to find the probability.



12) What is $P(Z)$?

13) What is $P(N)$?

14) What is $P(A, E, \text{ or } I)$?

15) What is $P(A, E, I, P, \text{ or } Z)$?

- 16) Karla has 3 red, 1 black, 2 green, and 2 blue T-shirts. She chooses a shirt without looking. What is the probability of choosing a red T-shirt?

- 17) There are 12 girls and 18 boys in the school band. The band director puts everyone's name in a bag and then draws one name without looking. What is the probability of choosing a boy's name?

- 18) What is the experimental probability of getting tails?

Results of Coin Tossed 30 Times	
Heads	Tails
10	20

Use the data in the table, which shows the results of Ramon's spinning the pointer of a spinner 60 times.



Number	1	2	3
Times landed on	22	12	26

- 19) What was the experimental probability of getting a 2?

- 20) How many times can Ramon expect the pointer to land on 3 in the next 30 spins?

- 21) Francine tosses a number cube 100 times. The number 4 comes up 20 times. What is the experimental probability of tossing a 4?

- 22) Ahmed has been successful in 32 of 100 foul shots. How many foul shots can he expect to hit in his next 50 tries?

- 1) **8 choices**
- 2) **10 Choices**
- 3) **6 Choices**
- 4) **18 Choices**
- 5) **number of possible outcomes**
- 6) **$1/6$**
- 7) **$1/2$**
- 8) **$1/3$**
- 9) **$1/4$**
- 10) **$1/3$**
- 11) **red**
- 12) **$1/4$**
- 13) **0**
- 14) **$1/2$**
- 15) **$2/3$**
- 16) **$3/8$**
- 17) **$3/5$**
- 18) **$2/3$**

19) $\frac{1}{5}$

20) **13 times**

21) $\frac{1}{5}$

22) **16 foul shots**