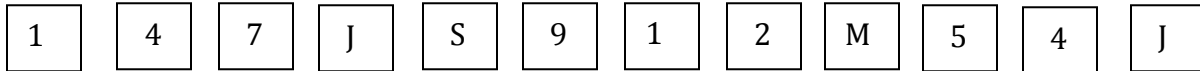


**One of these names is to be drawn from a hat. Determine each probability below:**

Mary Jenny Bob Marilyn Bill Jack Jerry Tina Connie Joe

1. P(3-letter name)=	2. P(4-letter name)=
3. P(girl's name)=	4. P(name ending with Y)=
5. Odds (Tina)=	6. Odds (starts with letter J)=

**One of these cards will be drawn without looking. Determine each probability below:**



7. P(5)=	8. P(odd #)=
9. P(not a letter)=	10. P(letter or even #)=

**One card is drawn from a well-shuffled deck of 52 cards. Determine each probability below:**

11. P(Ace)=	12. P(Face card—K, J, Q)
13. P(Ace or 10)=	14. P(Not Diamond)=

**A spinner, with prizes, is spun once. Determine the probability below:**



15. P(no prize):
16. P(Keychain):
17. P(baseball hat):
18. Odds (baseball hat):

19. A bag contains 4 white, 3 blue, and 6 red marbles. A marble is drawn from the bag. Find the probability that the marble is red.

20. Use a pair of dice. What is the probability that you roll a 7?

21. Suppose you tossed a number cube (die) 8 times and recorded your results. The recorded data shows you tossed 2 fives.

a. What is the experimental probability of tossing a 5?

b. What is the theoretical probability of tossing a 5?

22. An bag containing 4 tiles A, B, C, and D were placed in a bag. You drew a tile and recorded the results and the put the tile back into the bag. The results are shown below:

Draw	1	2	3	4	5	6	7	8	9	10
Letter	B	C	A	A	D	D	B	A	A	D

a. What is the experimental probability of drawing a "B" tile?

b. What is the theoretical probability of drawing a "D" tile.

c. If you only drew from the bag once, what are the odds that you would draw an "A" tile?

23. You get to choose a piece of candy from a bag that contains 9 Butterfingers, 19 Twix, and 3 Snickers, and 23 Milky Ways

a. What are the odds you choose Twix?

b. What are the odds you do not choose Butterfingers?

d. What are the odds you choose either a Milky way or a Snickers?

24. The probability that it will rain is 28%. What are the odds that it will not rain?