∞ INFINITY CLASSES ∞

Infinite learning & Achieve your goals

PROBABILITY

1. A coin is tossed 125 times and head is obtained 64 times. Now, if a coin is tossed at random, what is the probability of getting a head?

2. A corn is tossed 200 times and tails obtained 128 times. Now, if a coin is tossed at random, what is the probability of getting a tail?

3. In 60 throws of a dice, 6 is obtained 24 times. Now, in a random throw of a dice, what is the probability of getting 6?

4. In 100 throws of a dice, 5 is obtained 42 times. In a random throw of a dice, what is the probability of getting 5?

5. In 150 throws of a dice, 2 is obtained 76 times. In a random throw of a dice, what is the probability of getting 2?

6. In 2010, there was a survey of 200 people, it was found that 82 like orange juice while 118 dislike it. From these people, one is chosen at random. What is the probability that the chosen people dislikes orange juice?

7. There are 5 white balls, 8 red balls, 7 yellow balls and 4 green balls in a container. A ball is chosen at random.
   I. What is the probability of choosing red?
   II. What is the probability of choosing green?
   III. What is the probability of choosing either red or white?
   IV. What is the probability of choosing neither white nor green?'
   V. What is the probability of choosing other than yellow?
   VI. What is the probability of choosing black?

8. Which of the following is not a random experiment?
   I. Tossing a coin
   II. Rolling a die
   III. Choosing a card from a deck of 52
   IV. Throwing a stone from roof of building

9. In a throw of dice, the probability of getting number 7 is _____.
   i. 0.16666666666666666
   ii. 0.5
   iii. 1
   iv. 0

10. In the word "EDUCATION" find the probability of getting a vowel.

11. When a fair die is thrown, what is the probability of getting a number greater than 4?

12. If a number is chosen at random from the numbers 1 to 20 inclusive, what is the probability that:

      i.   a prime number will be picked?
      ii.   an even number will be picked?
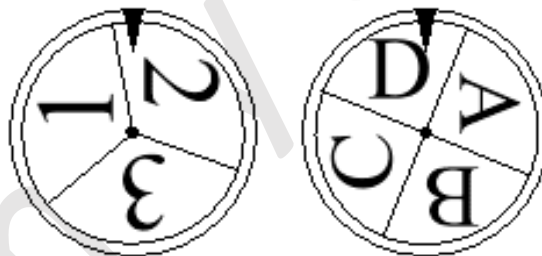   iii.   a single digit number will be picked?

13. Each of the letters of the word "SUCCESS" is written on a card and all the cards are placed into a bag. A card is randomly selected from the bag. Find the probability that the card bears:
      i. the letter 'S'
      ii. a vowel
      iii.   the letter 'A'

14. A bag contains 7 white balls, 3 red balls and 2 black balls. A ball is picked from the bag at random. Find the probability of:
      i. picking a red ball.
      ii. picking a black ball.
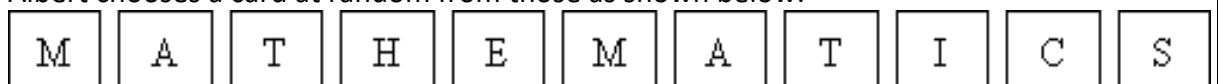   iii. picking either a white or black ball.

15. Jonathan spins 2 spinners; one of which is labeled 1, 2 and 3, and the other is labeled A, B, C and D.

Given that all the outcomes are equally likely, find the probability that:
    i.   the spinners stop at "2" and "C".
    ii.   the spinners stop at "3" and either "B" or "D"
    iii.   the spinners stop at "A" and any number.

16. Albert chooses a card at random from those as shown below:

M	A	T	H	E	M	A	T	I	C	S

What is the probability that the card is:
    i.   an M?
    ii.   an A or an E?
    iii.   a U?

∞ INFINITY CLASSES ∞

Infinite learning & Achieve your goals

Write the probability

Impossible	Unlikely	Likely	Certain

It will rain today.	
A monster will walk through the door.	
A triangle will have 3 sides.	
Ice will melt out of the freezer.	
During a heavy storm, the house will be damaged.	
You will have a dream tonight.	
The day after Thursday will be Friday.	
Someone from class will be away sick tomorrow.	
You will drink water during the day.	
I will speak to friends today.	
You will fly in a spaceship tonight.	
During a heavy storm, the house will be damaged	
I will speak to friends today.	
You will fly in a spaceship tonight.	
A bee will fly into a hive.	
It will be Christmas tomorrow.	
It will be dark tonight.	
Rolling an 8 of on a 6-sided die.	
A branch will fall from a nearby tree.	
You will drink water during the day.	