



**INDIAN SCHOOL DARSAIT**  
**DEPARTMENT OF MATHEMATICS**  
**WORKSHEET # 18**



Subject : MATHEMATICS      Topic : PROBABILITY      Date of Worksheet : 07/12/2017

Resource Person: Mrs. Indu .P

Date of submission : 14/12/2017

Name of the Student \_\_\_\_\_ Class & Division: \_\_\_\_\_ Roll Number : \_\_\_\_

Sl.NO.	Section A -[Chapter based questions]	Marks
1.	There are 5 marbles in a bag: 4 are blue, and 1 is red. What is the probability that a blue marble will be picked?	2
2.	Alex decides to see how many times a "double" would come up when throwing 2 dice. What will be his finding?	2
3.	A die is thrown once. What is the probability that the score is a factor of 6?	3
4.	Each of the letters of the word MISSISSIPPI are written on separate pieces of paper that are then folded, put in a hat, and mixed thoroughly. One piece of paper is chosen (without looking) from the hat. What is the probability it is an I?	2
5.	A card is chosen at random from a deck of 52 playing cards. There are 4 Queens and 4 Kings in a deck of playing cards. What is the probability it is a Queen or a King?	3
6.	A fair coin is tossed three times. What is the probability of obtaining one Head and two Tails?	3
7.	There are 10 counters in a bag: 3 are red, 2 are blue and 5 are green. The contents of the bag are shaken before Maxine randomly chooses one counter from the bag. What is the probability that she <b>doesn't</b> pick a red counter?	2
8.	Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?	3
9.	In a lottery there are 10 prizes and 25 blanks. What is the probability of getting a prize?	2
10.	What is the probability of getting a sum 9 from two throws of a dice?	3
11.	Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?	3
12.	One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?	2
13.	A die is thrown once. What is the probability of getting a prime number?	3
14.	Find the probability that a number selected at random from the number 3, 4, 5, ..., 25 is prime.	2
15.	What is the probability that an ordinary year has 53 Sundays?	2



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