



GRADE -8

Work sheet

MATHEMATICS

**CH-7 - Probability**

**Name:**.....

**Date:**.....

**MC Q :**

1) A dice is thrown two times and sum of the numbers appearing on the dice are noted. The number of possible outcomes is

- (a) 6                      (b) 11                      (c) 18                      (d) 36

2) In a single throw of a dice what is the probability of getting 7?

- (a) 6                      (b) 1                      (c) 0                      (d) 3

3) In a bag, there are 4 Red balls and 6 Green balls. A ball is picked up at random, what is the probability of getting a red ball?

- (a) 0.6                      (b) 1                      (c) 0.5                      (d) 0.4

4) What is the Lower limit of the class interval 30 - 40?

- (a) 40                      (b) 30                      (c) 35 (                      d) 10

5) Sum of all central angle in the Pie chart is

- (a)  $360^{\circ}$                       (b)  $180^{\circ}$                       (c)  $100^{\circ}$                       (d)  $270^{\circ}$

6) Probability of rising the sun from east is

- (a) 0.6                      (b) 1                      (c) 0.5                      (d) 0.2

7) What does the height of rectangle shows in a Histogram?

- (a) Upper limit                      (b) Lower limit                      (c) Frequency                      (d) Range

8) Today is Sunday, what is the chance of Monday tomorrow?

- (a) 0.6                      (b) 1                      (c) 0.5  
(d) 0.2

- 9) In a single toss of a coin what is the sum of probability of getting Head and Tail?
- (a) 1                      (b) 6                      (c) 0                      (d) 3

**FILL IN THE BLANKS :**

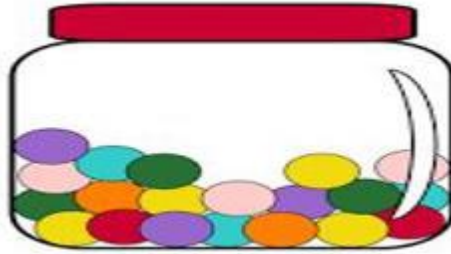
- i) The probability of an event always lies in between .....
- ii) The probability of an impossible event is .....
- iii) The probability of a sure event is .....
- iv) When a fair die is rolled once, The probability that the number rolled is greater than 2 and even is .....
- v) If the probability to happen an event E is 0.35, the probability of not happening will be .....

**Write TRUE/FALSE :**

- i) The probability of an impossible event is 1.
- ii) If a coin is tossed once the probability of getting Head is  $\frac{1}{2}$ .
- iii) If a fair die is rolled once The probability of getting an even number is  $\frac{1}{2}$ .
- iv) If two coins are tossed together, the probability of getting tails on both the coins is  $\frac{1}{4}$ .

**ANSWER THE FOLLOWING QUESTIONS**

- 1) A glass jar contains 6 red, 5 green, 4 blue and some yellow marbles of same size. Ram takes out a marble from the jar at random. If Probability of choosing blue ball is 0.2.
- (a) What is the probability that the chosen marble is of Red colour?
- (b) What is probability that the chosen marble is green colour?



2) A bag contains 6 Red balls 2 Green Balls 2 Green balls; a ball is picked up at random What is the probability of getting a red ball?

3) From a well shuffled deck of 52 playing cards, a card is selected at random. Find the probability of getting (i) a black card (ii) a black king (iii) an ace (iv) a card of diamond

3)A fair die is rolled once ,find the probability that it will turn up

a) an odd number    b) a number less than 5    c) a number divisible by 3.

4)A jar contains 16 Red marbles,24 yellow marbles, and 8 Blue marbles.A marble is drawn out without looking into the jar. What is the probability that it will be a Red or a Blue marble?

5)Two dice are rolled simultaneously. What is the probability of getting a sum of 10.

6) A bag contains 6 Red balls 2 Green Balls 2 Green balls; a ball is picked up at random What is the probability of getting a red ball?