

International Indian School-Riyadh

SA 2 Work sheet ... Mathematics

Probability ... Class : X

- 1) A die is thrown once . Find the probability of getting multiple of 2 or 3 .
- 2) Find the probability of getting 53 Fridays in a leap year .
- 3) Write a sample space when two coins are tossed simultaneously ?
- 4) A bag contain 4 red , 5 black and 6 white balls & a ball is drawn from the bag at random . Find the probability that ball drawn is
 - a) Not black
 - b) Red or White
- 5) In a single throw of two dice , find the probability of not getting the same number on the two dice .
- 6) The probability that it will rain tomorrow is 0.85 . What is the probability that it will not rain tomorrow ?
- 7) A card is drawn at random from a well shuffled pack of playing cards . Find the probability that the card drawn is
 - a) Red and a queen
 - b) Either a King or jack
- 8) Two coins are tossed simultaneously once .What is the probability of getting
 - a) Exactly one head
 - b) No head
- 9) 15 cards numbered 1 , 2 , 3 15 are put in a box and mixed thoroughly & card is drawn at random from the box . Find the probability that the card drawn is
 - a) neither prime nor odd .
 - b) a number which is a perfect square .
- 10) A box contains 90 discs which are numbered from 1 to 90 . If one disc is drawn at random from the box , find the probability that it bears .
 - a) a number which is not divisible by 5 or 10 .
 - b) a two digit number .
- 11) Two coins are tossed simultaneously once . Find the probability of getting
 - a) at least one head and one tail .
 - b) at most 2 heads .
- 12) In a single throw of two dice , find probability of getting
 - a) doubles .
 - b) a total of 11 .
- 13) A bag contains 12 balls out of which x are black . If one ball is drawn at random from the box , what is the probability that it will be a black ball . If more black balls are put in the box the probability of drawing a black ball is now double of what it was before . Find x .