INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS
CH:15 Probability

Name: _____ Date:_____ Class: IX Sec: ___

1. A dice is thrown 300 times, frequencies for the outcome are given in the following table

Outcome	1	2	3	4	5	6
Frequency	42	60	55	53	60	30

(a) Find the probability of getting an even number
(b) Find the probability of getting a number more than 4

2. The record of a weather station shows that out of the past 250 consecutive days, its weather forecasts were correct 175 times:
(i) What is the probability that on a given day it was correct ?
(ii) What is the probability that it was not correct on a given day ?

3. These coins are tossed simultaneously 200 times with the following frequencies of different outcomes :

Outcome	Frequency
3 heads	20
2 heads	80
1 heads	30
No head	20

Compute the probability of getting (a) Two heads
(b) At least two heads

4. A box contains 150 balls of red, blue and white colours. Out of these 50 balls are red, 40 balls are blue, 60 balls are white.If one ball is drawn at random, Find the probability that randomly selected ball is (a) White (b) Red (c) Green

5. 1500 families with 2 children were selected randomly, and the following data were recorded

No. of girls in a family	2	1	0
No. of family	475	814	211

Compute the following probabilities of a family chosen at random having :
(a) 2 girls (b) 1 girls (c) No girl
Also find the sum of these probabilities.

6. Probability of an event cannot be _____

7. Sum of the probabilities of an event is _____

8. Find the probability that an odd number turns up in a single throw of a die.

9. A die is thrown once. Find the probability of getting a prime number.

10. From a normal pack of cards , a card is drawn at random . The probability of getting a king