

DATA HANDLING

1. The marks obtained 40 students of a class in an examination are given below; Prepare a frequency distribution table with class intervals starting from 0 - 10

8,47,22,31,17,13,38,26,3,34,29,11,22,7,15,24,38,31,21,35,42,42,24,45,23,
21,27,29,49,25,48,21,15,18,27,19,45,14,34,37,34.

2. The electricity bills (in rupees) of 25 houses of a certain locality for a month are given form a frequency table starting from 300 - 400.

324,700,617,400,356,365,435,506,548,736,780,378,570,685,312,630,584,
674,754,776,596,745,565,763,472.

3. The number of cycles produced in a factory during five consecutive weeks. Is given below draw a bar graph representing the above information

Week	first	second	third	fourth	fifth
Number of cycles	800	1300	1060	820	1440

3. A survey showed that the average daily expenditure (in Rs) of 24 household of a city were

215,248,225,210,237,227,240,238,215,214,249,236,244,221,219,232,216,24
2,220,230,238,228,225,211.

Prepare frequency table using class intervals 210- 215 and so on also draw a histogram for the above data0

5. The following is the frequency distribution of marks obtained by 45

Ina class test draw a histogram and answer the questions

Marks	10- 20	20- 30	30- 40	40- 50	50- 60	60 - 70	70- 80	80- 90
No of students	4	3	4	7	9	8	6	4

1. What is the size of the class (2) what percentage of students scored marks

Greater than 60 but less than 70 (3) how many get 60 or more marks?

6. A letter is chosen at random from a given word. Find the probability that

The letter is vowel if the word is NATURAL.

7. Prime numbers between 1 and 25 are written on identical slips, put in a box and mixed well. If a slip is drawn at random, what is the probability of getting?

(a) One digit number (b) an even number (c) an odd number (d) no: greater than 11

8. A bag contains 10 white balls and 7 green balls. They are mixed thoroughly

And one ball is drawn at random. Find the probability of getting the following

(a) A white ball (b) A green ball

(b) 10

9. A dice is thrown once. Find the probability of getting these outcomes

(i) A prime number (ii) Not a prime number (iii) A multiple of 3

10. Two coins are tossed simultaneously. Find the probability of getting

(i) 2 heads (ii) one head (III) no head (iv) at least one head (v) at most one head

11. What is the probability that a number selected from the numbers 1,2,3,4,.....20 is not a multiple of 3?

12. One card is drawn from a well shuffled deck of 52 cards. Find the probability

that the card drawn is of the following type. (a) A diamond (b) An Ace