Data Handling -I Ex 21.1 Q6

Answer :

Frequency distribution table of the given data:

Scores	Tally marks	Number of times
1	𝍸	5
2	𝍸	5
3	𝍸 I	4
4	III	3
5	𝍸 I	4
6	𝍸 I	4

Data Handling -I Ex 21.1 Q7

Answer :

Frequency distribution table of the given number of accidents per day is given below:

Number of accident	Tally marks	Number of days
0	II	2
1	III	3
2	𝍸 I	6
3	III	3
4	IIII	4
5	𝍸 I	6
6	𝍸 I	6

Data Handling -I Ex 21.1 Q8

Answer :

Frequency distribution table of the given ages (in years) of 30 students:

Ages (In years)	Tally marks	Number of Students
12	IIII	4
13	𝍸 𝍸 II	12
14	𝍸 IIII	9
15	II	2
16	II	2
17	I	1

Data Handling -I Ex 21.1 Q9

Answer :

Frequency distribution of the given weekly wages of 15 workers:

Weekly wages (In Rs.)	Tally marks	Number of Workers
150	III	3
200	𝍸	5
250	IIII	4
300	II	2
350	I	1

(i) Minimum wage = Rs. 150

Maximum wage = Rs. 350

∴ Range = Maximum wage − Minimum wage

= Rs. 350 − Rs. 150

= Rs. 200

(ii) Numbers of workers getting Rs. 350 = 1 worker

(iii) Here, minimum wage Rs. 150

Number of workers getting Rs. 150 = 3 workers

∴ Number of workers getting minimum wages = 3 workers

Data Handling -I Ex 21.1 Q10

Answer :

Frequency distribution of the given marks:

Marks obtained in History	Tally marks	Number of Students (Frequency)
9	𝍸 I	6
12	IIII	4
17	IIII	4
18	II	2
19	IIII	4
20	III	3
25	II	2

(i) Highest marks = 25

Lowest marks = 9

∴ Range = Highest marks − Lowest marks

= 25 − 9 = 16

(ii) Highest marks = 25

(iii) From the frequency table we can say that 6 students scored 9 marks in the History test.

∴ The number 9 occurs more frequently.

Data Handling -I Ex 21.1 Q11

Answer :

Frequency distribution of the given marks in Mathematics:

Marks obtained in Mathematics	Tally marks	Number of Students (Frequency)
1	II	2
2	III	3
3	III	3
4	𝍸 II	7
5	𝍸 I	6
6	𝍸 II	7
7	𝍸	5
8	IIII	4
9	III	3

(i) Number of students who have obtained marks equal to or more than 7

= frequency of 7 + frequency of 8 + frequency of 9

= 5 + 4 + 3 = 12

(ii) Numbers of students who have scored below 4

= Frequency of 1 + frequency of 2 + frequency of 3

= 2 + 3 + 3 = 8

Data Handling -I Ex 21.1 Q12

Answer :

(i)Frequency distribution of the given sweets:

Sweet	Tally marks	Frequency
Ladoo	𝍸 𝍸 II	12
Barfi	III	3
Jalebi	𝍸 I	6
Rasgulla	𝍸 IIII	9

(ii) The frequency of Ladoo is 12 i.e. maximum

∴ Ladoo is the sweet that is preferred by most of the students.

********** END **********