

Chapter : 21. DATA HANDLING

Exercise : 21A

Question: 1

The number of mem

Solution:

Arranging the members in ascending order, we get

3, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 6, 6, 6, 7, 7

The frequency distribution table is given below:

Number of Members	Tally Marks	Number of Families (Frequency)
3	IIII	4
4	IIII	4
5	IIII	7
6	III	3
7	II	2
	Total	20

Question: 2

A dice was thrown

Solution:

Arranging the outcomes of dice in ascending order, we get

1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 6, 6, 6, 6, 6

The frequency distribution table is given below:

Number of Dice	Tally Marks	Number of Outcomes (Frequency)
1		6
2		6
3	IIII	4
4		5
5	IIII	4
6		5
	Total	30

Question: 3

The following data

Solution:

In the question, the data of the number of children in 40 families is given as:

1, 2, 6, 5, 1, 5, 1, 3, 2, 6, 2, 3, 4, 2, 0, 4, 4, 3, 2, 2, 0, 0, 1, 2, 2, 4, 3, 2, 1, 0, 5, 1, 2, 4, 3, 4, 1, 6, 2, 2.

On arranging the children in ascending order, we get,

0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 5, 5, 5, 6, 6, 6

Now, we plot this data in a frequency distribution table as given below:

Number of Children	Tally Marks	Number of Families (Frequency)
0		4
1		7
2		12
3		5
4		6
5		3
6		3
	Total	40

Exercise : 21B

Question: 1

The marks obtained

Solution:

The frequency distribution table is given as:

Marks	Tally Marks	Number of Students (Frequency)
0 - 10	III	3
10 - 20	 	8
20 - 30	 	14
30 - 40	 	9
40 - 50	 	6
	Total	40

Question: 2

The electricity bill

Solution:

The frequency distribution table is given as:

Electricity Bills	Tally Marks	Number of Houses (Frequency)
300 - 400		5
400 - 500	III	3
500 - 600		6
600 - 700	IIII	4
700 - 800		7
	Total	25

Question: 3

The weekly wages

Solution:

The frequency distribution table is given as:

Weekly Wages	Tally Marks	Number of Workers (Frequency)
610 - 630	IIII	
630 - 650	IIII	4
650 - 670	IIII	5
670 - 690	III	3
690 - 710	IIIIII	7
710 - 730	IIII	5
	Total	28

Question: 4

The weekly pocket

Solution:

The frequency distribution table is given as:

Expenses	Tally Marks	Number of Students (Frequency)
60 - 70		6
70 - 80		5
80 - 90		7
90 - 100		5
100 - 110	III	3
110 - 120	IIII	4
	Total	30

Question: 5

The daily earning

Solution:

The Frequency distribution will be as follows:

Daily Earnings	Tally Marks	Number of Stores (Frequency)
500 - 550		7
550 - 600		5
600 - 650		4
650 - 700		3
700 - 750		5
	Total	24

Question: 6

The heights (in c

Solution:

The frequency distribution will be as follows

Heights (in cm.)	Tally Marks	Number of Students (Frequency)
125 - 130		5
130 - 135		7
135 - 140		6
140 - 145		4
	Total	22

