

21. Data Handling

Exercise 21A

1. Question

Answer

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	III	4
4	III	4
5	IIII	7
6	III	3
7	II	2
	Total	20

2. Question

Answer

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

3. Question

In the question, the data of the number of children in 40 familiare 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, 2, 2.

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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

1. Question

Answer

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

2. Question**Answer**

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

3. Question

Answer

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	IIII	7
710 - 730	IIII	5
	Total	28

4. Question

Answer

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		3
110 - 120		4
	Total	30

5. Question

Answer

The Frequency distribution will be as follows:

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

6. Question

Answer

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