EduSahara™ Assignment

Name : Constructing Frequency Distribution Tables

Chapter : Statistics

Grade : ICSE Grade VIII

1. The number of children in 22 families are given below. Identify the frequency distribution table for the given data.

5 2 3 4 0 1 1 5 3 5 2 1 5 3 3 0 3 1 0 5 3 3

(i)

No. of children	0	1	2	3	4	5
No. of families	3	4	2	7	1	5

(ii)

No. of children	0	1	2	3	4	5
No. of families	3	4	2	6	1	6

(iii)

No. of children	0	1	2	4	5
No. of families	8	5	2	2	5

(iv)

No. of children	0	1	2	3	4	5
No. of families	3	3	2	8	1	5

(v)

No. of children	0	1	2	3	4	5
No. of families	3	1	3	7	2	6

2. The following outcomes were noted when a dice was thrown 21 times. Identify the frequency distribution table for the given data.

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

(i)

Outcome	1	2	3	4	5	6
No. of outcomes	5	4	2	3	3	4

(ii)

Outcome	1	2	3	4	5	6
No. of outcomes	4	5	2	2	3	5

(iii)

Outcome	1	2	3	4	5	6
No. of outcomes	5	1	3	3	4	5

(iv)

Outcome	1	2	3	4	5	6
No. of outcomes	4	5	2	3	3	4

(v)

Outcome	1	2	3	4	5	6
No. of outcomes	3	4	5	2	2	5

3. The sale of shirts of various sizes at a shop on a particular day is given below. Identify the frequency distribution table for the given data.

27 40 36 27 28 33 22 35 20 33 37 33 21 39 27 23 24 21 26

(i)

Size	20	21	22	23	24	26	27	28	33	35	36	37	39	40
No. of Shirts	1	2	1	1	1	1	3	1	3	1	1	1	1	1

(ii)

Size	20	21	22	26	28	30	31	32	35	36	37	39	40
No. of Shirts	1	2	1	2	2	1	1	2	1	1	1	2	2

(iii)

Size	21	22	23	26	28	34	35	36	37	38	39	40
No. of Shirts	3	1	1	2	1	2	1	1	2	2	2	1

(iv)

Size	20	21	22	23	24	26	27	28	33	35	36	37	39	40
No. of Shirts	1	2	2	1	1	1	3	1	2	1	1	1	1	1

4. Identify the frequency distribution table for the given heights of 15 students in cm

152 171 156 168 153 176 177 169 151 169 160 164 150 175 173

(i)

Height (in cm)	150	156	159	161	164	170	173	174	176	177	178	179
No. of Students	1	2	1	1	3	1	1	1	1	1	1	1

(ii)

Height (in cm)	150	151	152	153	156	160	164	168	169	171	173	175	176	177
No. of Students	1	1	1	1	1	1	1	1	2	1	1	1	1	1

(iii)

Height (in cm)	150	151	156	157	161	162	167	168	169	174	177
No. of Students	1	2	1	1	1	1	3	2	1	1	1

(iv)

Height (in cm)	150	151	152	153	156	160	164	169	171	173	175	176	177
No. of Students	1	1	1	1	1	2	1	2	1	1	1	1	1

(v)

Height (in cm)	150	151	152	153	156	160	164	168	169	171	173	175	176	177
No. of Students	1	1	1	2	1	1	1	1	1	1	1	1	1	1

5. Identify the frequency distribution table for the given ages of 10 students in years

14 22 22 24 18 21 10 24 21 15

(i)

Age (in years)	13	15	16	18	21	23	24	25
No. of Students	1	1	2	2	1	1	1	1

(ii)

Age (in years)	10	14	15	18	21	22	24
No. of Students	1	1	1	1	2	3	1

(iii)

Age (in years)	10	14	15	18	21	22	24
No. of Students	1	1	1	1	2	2	2

(iv)

Age (in years)	10	12	14	18	20	22	24	25
No. of Students	3	1	1	1	1	1	1	1

(v)

Age (in years)	10	14	15	21	22	24
No. of Students	1	1	1	2	3	2

Assignment Key

1) (i)	2) (iv)	3) (i)	4) (ii)	5) (iii)