

## EduSahara™ Learning Center Assignment

**Grade** : Class VIII, ICSE  
**Chapter** : Statistics  
**Name** : Constructing Frequency Distribution Tables  
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The number of children in 21 families are given below.

Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

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The following outcomes were noted when a dice was thrown 18 times.

Identify the frequency distribution table for the given data.

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

(i)

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

(ii)

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

(iii)

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

(iv)

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

(v)

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

3. 36 , 22 , 23 , 20 , 28 , 28 , 25 , 30 , 24 , 36 , 40 , 24 , 21 , 22 , 32  
31 , 25 , 29

(i)

Size	20	21	22	23	26	27	29	31	32	34	36	39	40
No. of Shirts	1	1	1	1	2	2	3	1	1	2	1	1	1

(ii)

Size	20	21	22	23	24	25	28	29	30	31	32	36	40
No. of Shirts	1	1	2	1	2	2	2	1	1	1	1	2	1

(iii)

Size	20	21	22	25	26	28	29	31	33	34	37	38
No. of Shirts	1	1	1	1	1	1	3	1	1	2	4	1

(iv)

Size	20	21	22	23	24	25	28	29	31	32	36	40
No. of Shirts	1	1	2	1	2	2	2	2	1	1	2	1

(v)

Size	20	22	23	24	25	28	29	30	31	32	36	40
No. of Shirts	1	2	1	2	2	3	1	1	1	1	2	1

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

4. 174 , 169 , 168 , 169 , 173 , 178 , 153 , 179 , 160 , 177  
175 , 177 , 156 , 166 , 161

(i)

Height (in cm)	153	156	160	161	166	168	169	173	174	175	177	178	179
No. of Students	1	1	1	1	1	1	3	1	1	1	1	1	1

(ii)

Height (in cm)	150	153	157	159	161	163	164	170	173	176	177	180
No. of Students	1	1	1	1	3	1	2	1	1	1	1	1

(iii)

Height (in cm)	150	154	156	162	163	165	169	170	174	178
No. of Students	2	1	3	1	1	1	1	1	3	1

(iv)

Height (in cm)	153	156	160	161	166	168	169	173	174	175	177	178	179
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No. of Students	1	1	1	1	1	1	2	1	1	1	2	1	1
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Identify the frequency distribution table for the given ages of 10 students in years

5. 10, 21, 17, 21, 10, 16, 10, 18, 12, 25

(i)

Age (in years)	10	12	16	17	18	21	25
No. of Students	3	1	1	1	1	2	1

(ii)

Age (in years)	10	12	16	17	18	21	25
No. of Students	2	1	1	2	1	2	1

(iii)

Age (in years)	11	12	13	17	18	19	21	22	23
No. of Students	1	1	1	1	1	1	2	1	1

(iv)

Age (in years)	10	12	17	18	21	25
No. of Students	3	1	1	1	3	1

(v)

Age (in years)	10	12	14	15	17	18	20	22	23	24
No. of Students	1	1	1	1	1	1	1	1	1	1

## Assignment Key

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