

## EduSahara™ Learning Center Assignment

**Grade : Class VIII, CBSE**  
**Chapter : Data Handling**  
**Name : Constructing Class Interval Tables**  
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The marks obtained by 15 students in an examination are given below.

Represent the data in the form of a frequency distribution table

1. in exclusive form taking class size 7 .

71 , 70 , 66 , 49 , 60 , 68 , 54 , 70 , 44 , 55 , 55 , 51 , 65 , 70 , 41

(i)

Marks	41 - 48	48 - 55	55 - 62	62 - 69	69 - 76
No. of Students	2	3	8	3	4

(ii)

Marks	41 - 48	48 - 55	55 - 62	62 - 69	69 - 76
No. of Students	2	7	3	3	4

(iii)

Marks	41 - 48	48 - 55	55 - 62	62 - 69	69 - 76
No. of Students	2	3	3	3	4

(iv)

Marks	41 - 48	48 - 55	55 - 62	62 - 69	69 - 76
No. of Students	2	4	3	3	3

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The marks obtained by 20 students in an examination are given below.

Represent the data in the form of a frequency distribution table

2. in exclusive form taking class size 7 .

47 , 74 , 53 , 44 , 50 , 50 , 61 , 66 , 57 , 73 , 55 , 46 , 49 , 66 , 64  
68 , 76 , 52 , 65 , 57

(i)

Marks	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
No. of Students	6	2	5	4	3

(ii)

Marks	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
No. of Students	6	3	2	4	5

(iii)

Marks	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
No. of Students	6	5	4	4	3

(iv)

Marks	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
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	<b>No. of Students</b>	6	7	2	4	3
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(v)	<b>Marks</b>	44 - 51	51 - 58	58 - 65	65 - 72	72 - 79
	<b>No. of Students</b>	6	5	2	4	3

Construct a frequency table in exclusive form for the following ages (in years) of 17 students, taking class size 3 .

3. 24 , 21 , 23 , 25 , 17 , 14 , 23 , 10 , 23 , 10 , 12 , 23 , 18 , 13 , 21  
22 , 21

(i)	<b>Age (in years)</b>	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
	<b>No. of Students</b>	3	2	2	5	6	1

(ii)	<b>Age (in years)</b>	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
	<b>No. of Students</b>	3	2	2	3	6	1

(iii)	<b>Age (in years)</b>	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
	<b>No. of Students</b>	3	1	2	3	6	2

(iv)	<b>Age (in years)</b>	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
	<b>No. of Students</b>	3	2	7	3	6	1

The daily wages (in rupees) of 18 workers in a factory are given below.

Represent the data in the form of a frequency distribution in exclusive form

4. taking class size 30 .

280 , 225 , 293 , 219 , 270 , 236 , 230 , 223 , 280 , 289  
217 , 212 , 238 , 245 , 258 , 285 , 262 , 298

(i)	<b>Wages (in rupees)</b>	212 - 242	242 - 272	272 - 302
	<b>No. of Workers</b>	8	9	6

(ii)	<b>Wages (in rupees)</b>	212 - 242	242 - 272	272 - 302
	<b>No. of Workers</b>	8	4	6

(iii)	<b>Wages (in rupees)</b>	212 - 242	242 - 272	272 - 302
	<b>No. of Workers</b>	8	6	6

(iv)	<b>Wages (in rupees)</b>	212 - 242	242 - 272	272 - 302
	<b>No. of Workers</b>	6	4	8

(v)

<b>Wages (in rupees)</b>	212 - 242	242 - 272	272 - 302
<b>No. of Workers</b>	4	8	6

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The weights (in gm) of 16 fruits are as follows.

Form the grouped frequency table in exclusive form by taking class size 50 .

5. 204 , 372 , 357 , 354 , 274 , 293 , 206 , 262 , 338 , 357  
337 , 307 , 219 , 218 , 335 , 310

(i)

<b>Weight (in gm)</b>	204 - 254	254 - 304	304 - 354	354 - 404
<b>No. of Fruits</b>	4	3	5	4

(ii)

<b>Weight (in gm)</b>	204 - 254	254 - 304	304 - 354	354 - 404
<b>No. of Fruits</b>	4	1	5	4

(iii)

<b>Weight (in gm)</b>	204 - 254	254 - 304	304 - 354	354 - 404
<b>No. of Fruits</b>	4	3	8	4

(iv)

<b>Weight (in gm)</b>	204 - 254	254 - 304	304 - 354	354 - 404
<b>No. of Fruits</b>	4	5	3	4

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Given the sample data, prepare the class interval table in

exclusive form with 2 as min value and a class size of 8 .

6. 23 , 37 , 35 , 44 , 35 , 23 , 24 , 2 , 12 , 26 , 43 , 15 , 22 , 16 , 10  
42 , 30 , 13

(i)

<b>Class-Interval</b>	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
<b>Frequency</b>	1	3	4	2	3	5

(ii)

<b>Class-Interval</b>	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
<b>Frequency</b>	1	5	6	2	3	3

(iii)

<b>Class-Interval</b>	2 - 9	10 - 17	18 - 25	26 - 33	34 - 41	42 - 49
<b>Frequency</b>	1	5	4	2	3	3

(iv)

<b>Class-Interval</b>	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
<b>Frequency</b>	1	4	5	2	3	3

(v)

<b>Class-Interval</b>	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
<b>Frequency</b>	1	5	4	2	3	3

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## Assignment Key

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- 1) (iii)
- 2) (v)
- 3) (ii)
- 4) (ii)
- 5) (i)
- 6) (v)