



The marks obtained by 16 students in an examination are given below.

1. Represent the data in the form of a frequency distribution table in inclusive form taking class size 8.

67 62 58 46 76 60 51 53 59 43 41 75 67 45 42 75

(i)

Marks	41 - 48	49 - 56	57 - 64	65 - 72	73 - 80
No. of Students	5	3	4	2	2

(ii)

Marks	41 - 48	49 - 56	57 - 64	65 - 72	73 - 80
No. of Students	5	4	4	2	3

(iii)

Marks	41 - 48	49 - 56	57 - 64	65 - 72	73 - 80
No. of Students	5	2	9	2	3

(iv)

Marks	41 - 48	49 - 56	57 - 64	65 - 72	73 - 80
No. of Students	5	2	4	2	3

(v)

Marks	41 - 48	49 - 56	57 - 64	65 - 72	73 - 80
No. of Students	5	4	2	2	3

The marks obtained by 17 students in an examination are given below.

2. Represent the data in the form of a frequency distribution table in exclusive form taking class size 5.

59 42 80 54 75 66 65 45 42 61 72 62 59 72 70 65 59

(i)

Marks	42 - 47	47 - 52	52 - 57	57 - 62	62 - 67	67 - 72	72 - 77	77 - 82
No. of Students	3	0	3	4	4	1	3	1

(ii)

Marks	42 - 47	47 - 52	52 - 57	57 - 62	62 - 67	67 - 72	72 - 77	77 - 82
No. of Students	3	0	4	1	4	1	3	1

(iii)

Marks	42 - 47	47 - 52	52 - 57	57 - 62	62 - 67	67 - 72	72 - 77	77 - 82
No. of Students	3	0	1	4	4	1	3	1

(iv)

Marks	42 - 47	47 - 52	52 - 57	57 - 62	62 - 67	67 - 72	72 - 77	77 - 82
No. of Students	3	1	1	4	4	1	3	0

(v)

Marks	42 - 47	47 - 52	52 - 57	57 - 62	62 - 67	67 - 72	72 - 77	77 - 82
No. of Students	3	0	1	4	8	1	3	1

The marks obtained by 17 students in an examination are given below.

3. Represent the data in the form of a frequency distribution table in exclusive form taking class size 5.

80 62 65 78 69 43 50 46 44 60 42 47 62 41 42 59 77

(i)

Marks	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66	66 - 71	71 - 76	76 - 81
No. of Students	5	3	0	2	6	1	0	3

(ii)

Marks	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66	66 - 71	71 - 76	76 - 81
No. of Students	5	3	5	2	3	1	0	3

(iii)

Marks	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66	66 - 71	71 - 76	76 - 81
No. of Students	5	3	0	2	3	1	0	3

(iv)

Marks	41 - 46	46 - 51	51 - 56	56 - 61	61 - 66	66 - 71	71 - 76	76 - 81
No. of Students	5	3	2	0	3	1	0	3

4. Construct a frequency table in exclusive form for the following ages (in years) of 15 students, taking class size 4.

24 15 17 23 16 22 14 13 25 20 25 24 20 25 20

(i)

Age (in years)	13 - 17	17 - 21	21 - 25	25 - 29
No. of Students	3	4	4	4

(ii)

Age (in years)	13 - 17	17 - 21	21 - 25	25 - 29
No. of Students	4	4	4	3

(iii)

Age (in years)	13 - 17	17 - 21	21 - 25	25 - 29
No. of Students	4	4	2	3

(iv)

Age (in years)	13 - 17	17 - 21	21 - 25	25 - 29
No. of Students	4	7	4	3

The daily wages (in rupees) of 17 workers in a factory are given below.

5. Represent the data in the form of a frequency distribution in inclusive form taking class size 20.

260 294 208 272 289 247 214 259 201 228 293 230 295 296 252 200 289

(i)

Wages (in rupees)	200 - 219	220 - 239	240 - 259	260 - 279	280 - 299
No. of Workers	4	3	2	2	6

(ii)

Wages (in rupees)	200 - 219	220 - 239	240 - 259	260 - 279	280 - 299
No. of Workers	4	2	7	2	6

(iii)

Wages (in rupees)	200 - 219	220 - 239	240 - 259	260 - 279	280 - 299
No. of Workers	4	2	3	2	6

(iv)

Wages (in rupees)	200 - 219	220 - 239	240 - 259	260 - 279	280 - 299
No. of Workers	4	5	3	2	6

(v)

Wages (in rupees)	200 - 219	220 - 239	240 - 259	260 - 279	280 - 299
No. of Workers	4	6	3	2	2

The daily wages (in rupees) of 16 workers in a factory are given below.

6. Represent the data in the form of a frequency distribution in exclusive form taking class size 30.

294 239 220 297 241 240 228 247 274 209 271 282 217 237 282 290

(i)

Wages (in rupees)	209 - 239	239 - 269	269 - 299
No. of Workers	5	9	7

(ii)

Wages (in rupees)	209 - 239	239 - 269	269 - 299
No. of Workers	5	4	7

(iii)

Wages (in rupees)	209 - 239	239 - 269	269 - 299
No. of Workers	4	5	7

(iv)

Wages (in rupees)	209 - 239	239 - 269	269 - 299
No. of Workers	7	4	5

The weights (in gm) of 18 fruits are as follows. Form the grouped frequency table in inclusive form

7. by taking class size 40.

305 370 348 298 370 301 269 339 330 273 332 227 288 286 213 230 268 326

(i)

Weight (in gm)	213 - 252	253 - 292	293 - 332	333 - 372
No. of Fruits	3	5	6	4

(ii)

Weight (in gm)	213 - 252	253 - 292	293 - 332	333 - 372
No. of Fruits	3	5	1	4

(iii)

Weight (in gm)	213 - 252	253 - 292	293 - 332	333 - 372
No. of Fruits	3	7	6	4

(iv)

Weight (in gm)	213 - 252	253 - 292	293 - 332	333 - 372
No. of Fruits	4	5	6	3

(v)

Weight (in gm)	213 - 252	253 - 292	293 - 332	333 - 372
No. of Fruits	3	6	5	4

The weights (in gm) of 18 fruits are as follows. Form the grouped frequency table in exclusive form

8. by taking class size 50.

354 320 299 314 391 376 252 317 201 259 218 339 322 351 313 200 346 254

(i)

Weight (in gm)	200 - 250	250 - 300	300 - 350	350 - 400
No. of Fruits	3	4	7	4

(ii)

Weight (in gm)	200 - 250	250 - 300	300 - 350	350 - 400
No. of Fruits	3	7	7	4

(iii)

Weight (in gm)	200 - 250	250 - 300	300 - 350	350 - 400
No. of Fruits	3	7	4	4

(iv)

Weight (in gm)	200 - 250	250 - 300	300 - 350	350 - 400
No. of Fruits	4	4	7	3

(v)

Weight (in gm)	200 - 250	250 - 300	300 - 350	350 - 400
No. of Fruits	3	4	10	4

9. Given the sample data, prepare the class interval table in inclusive form with 3 as min value and a class size of 6 .
 31 29 33 46 43 48 27 28 27 43 28 3 39 32 47 25 11 35 25

(i)

Class-Interval	3 - 8	9 - 14	15 - 20	21 - 26	27 - 32	33 - 38	39 - 44	45 - 50
Frequency	1	1	4	2	7	2	3	3

(ii)

Class-Interval	3 - 9	9 - 15	15 - 21	21 - 27	27 - 33	33 - 39	39 - 45	45 - 51
Frequency	1	1	0	2	7	2	3	3

(iii)

Class-Interval	3 - 8	9 - 14	15 - 20	21 - 26	27 - 32	33 - 38	39 - 44	45 - 50
Frequency	1	1	2	0	7	2	3	3

(iv)

Class-Interval	3 - 8	9 - 14	15 - 20	21 - 26	27 - 32	33 - 38	39 - 44	45 - 50
Frequency	1	3	0	2	7	2	3	1

(v)

Class-Interval	3 - 8	9 - 14	15 - 20	21 - 26	27 - 32	33 - 38	39 - 44	45 - 50
Frequency	1	1	0	2	7	2	3	3

10. Given the sample data, prepare the class interval table in exclusive form with 3 as min value and a class size of 5 .
 14 8 4 24 21 31 5 49 16 45 12 3 27 49 26 22 48 30 35

(i)

Class-Interval	3 - 8	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
Frequency	3	2	2	2	3	2	1	0	1	3

(ii)

Class-Interval	3 - 8	8 - 13	13 - 18	18 - 23	23 - 28	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
Frequency	3	2	2	5	3	2	1	0	1	3

(iii)

Class-Interval	3 - 7	8 - 12	13 - 17	18 - 22	23 - 27	28 - 32	33 - 37	38 - 42	43 - 47	48 - 52
Frequency	3	2	2	2	3	2	1	0	1	3

Assignment Key

1) (iv)

2) (iii)

3) (iii)

4) (ii)

5) (iii)

6) (ii)

7) (i)

8) (i)

9) (v)

10) (i)