



The marks obtained by 18 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 5.

74 72 68 53 40 52 62 61 43 65 71 57 66 73 64 79 58 43

(i)

Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79
No. of Students	3	0	2	2	3	3	4	1

(ii)

Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79
No. of Students	3	0	2	2	6	3	4	1

(iii)

Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79
No. of Students	3	1	2	2	3	3	4	0

(iv)

Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79
No. of Students	3	0	4	2	3	3	4	1

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.

80 68 43 67 70 77 54 65 69 60 80 73 64 65 80 73 55

(i)

Marks	43 - 48	48 - 53	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78	78 - 83
No. of Students	1	0	1	2	4	3	3	3

(ii)

Marks	43 - 48	48 - 53	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78	78 - 83
No. of Students	1	3	2	1	4	3	3	0

(iii)

Marks	43 - 48	48 - 53	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78	78 - 83
No. of Students	1	0	2	1	8	3	3	3

(iv)

Marks	43 - 48	48 - 53	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78	78 - 83
No. of Students	1	0	6	1	4	3	3	3

(v)

Marks	43 - 48	48 - 53	53 - 58	58 - 63	63 - 68	68 - 73	73 - 78	78 - 83
No. of Students	1	0	2	1	4	3	3	3

The marks obtained by 15 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 7.

47 40 43 62 77 70 54 65 52 42 75 43 50 46 79

(i)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	5	3	1	2	1	3

(ii)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	5	3	1	4	1	3

(iii)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	5	1	3	2	1	3

(iv)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	5	3	5	2	1	3

4. Construct a frequency table in exclusive form for the following ages (in years) of 16 students, taking class size 3.
11 13 18 13 16 22 23 17 20 24 19 10 18 24 10 24

(i)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25
No. of Students	3	2	4	2	5

(ii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25
No. of Students	3	4	2	2	5

(iii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25
No. of Students	3	2	1	2	5

(iv)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25
No. of Students	3	5	4	2	2

(v)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25
No. of Students	3	7	4	2	5

The daily wages (in rupees) of 19 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.

283 219 299 285 291 212 206 220 295 280 206 279 268 278 298 255 299 288 276

(i)

Wages (in rupees)	206 - 225	226 - 245	246 - 265	266 - 285	286 - 305
No. of Workers	5	2	1	7	6

(ii)

Wages (in rupees)	206 - 225	226 - 245	246 - 265	266 - 285	286 - 305
No. of Workers	5	0	1	7	6

(iii)

Wages (in rupees)	206 - 225	226 - 245	246 - 265	266 - 285	286 - 305
No. of Workers	5	1	0	7	6

(iv)

Wages (in rupees)	206 - 225	226 - 245	246 - 265	266 - 285	286 - 305
No. of Workers	5	0	6	7	6

(v)

Wages (in rupees)	206 - 225	226 - 245	246 - 265	266 - 285	286 - 305
No. of Workers	5	6	1	7	0

The daily wages (in rupees) of 19 workers in a factory are given below.

6. Represent the data in the form of a frequency distribution in exclusive form taking class size 20.

227 209 285 292 266 293 224 277 237 260 212 255 253 246 280 269 292 228 273

(i)

Wages (in rupees)	209 - 229	229 - 249	249 - 269	269 - 289	289 - 309
No. of Workers	5	3	4	5	2

(ii)

Wages (in rupees)	209 - 229	229 - 249	249 - 269	269 - 289	289 - 309
No. of Workers	5	4	4	5	3

(iii)

Wages (in rupees)	209 - 229	229 - 249	249 - 269	269 - 289	289 - 309
No. of Workers	5	4	2	5	3

(iv)

Wages (in rupees)	209 - 229	229 - 249	249 - 269	269 - 289	289 - 309
No. of Workers	5	2	4	5	3

(v)

Wages (in rupees)	209 - 229	229 - 249	249 - 269	269 - 289	289 - 309
No. of Workers	5	2	8	5	3

The weights (in gm) of 19 fruits are as follows. Form the grouped frequency table in inclusive form

7. by taking class size 50.

355 350 259 240 367 302 295 277 368 235 267 393 221 378 288 318 353 215 286

(i)

Weight (in gm)	215 - 264	265 - 314	315 - 364	365 - 414
No. of Fruits	5	6	7	4

(ii)

Weight (in gm)	215 - 264	265 - 314	315 - 364	365 - 414
No. of Fruits	5	4	6	4

(iii)

Weight (in gm)	215 - 264	265 - 314	315 - 364	365 - 414
No. of Fruits	5	4	4	4

(iv)

Weight (in gm)	215 - 264	265 - 314	315 - 364	365 - 414
No. of Fruits	5	6	4	4

(v)

Weight (in gm)	215 - 264	265 - 314	315 - 364	365 - 414
No. of Fruits	4	6	4	5

8. The weights (in gm) of 16 fruits are as follows. Form the grouped frequency table in exclusive form

by taking class size 50. 319 344 337 298 284 400 212 291 243 201 262 264 245 254 358 315

(i)

Weight (in gm)	201 - 251	251 - 301	301 - 351	351 - 401
No. of Fruits	4	4	6	2

(ii)

Weight (in gm)	201 - 251	251 - 301	301 - 351	351 - 401
No. of Fruits	4	6	4	2

(iii)

Weight (in gm)	201 - 251	251 - 301	301 - 351	351 - 401
No. of Fruits	4	3	4	2

(iv)

Weight (in gm)	201 - 251	251 - 301	301 - 351	351 - 401
No. of Fruits	2	6	4	4

(v)

Weight (in gm)	201 - 251	251 - 301	301 - 351	351 - 401
No. of Fruits	4	6	7	2

9. Given the sample data, prepare the class interval table in inclusive form with 2 as min value and a class size of 9 .

40 50 47 4 29 35 15 43 2 35 15 35 14 19 43 17 19 23 42

(i)

Class-Interval	2 - 10	11 - 19	20 - 28	29 - 37	38 - 46	47 - 55
Frequency	2	2	1	4	4	6

(ii)

Class-Interval	2 - 10	11 - 19	20 - 28	29 - 37	38 - 46	47 - 55
Frequency	2	6	1	4	4	2

(iii)

Class-Interval	2 - 10	11 - 19	20 - 28	29 - 37	38 - 46	47 - 55
Frequency	2	6	6	4	4	2

(iv)

Class-Interval	2 - 11	11 - 20	20 - 29	29 - 38	38 - 47	47 - 56
Frequency	2	6	1	4	4	2

(v)

Class-Interval	2 - 10	11 - 19	20 - 28	29 - 37	38 - 46	47 - 55
Frequency	2	1	6	4	4	2

10. Given the sample data, prepare the class interval table in exclusive form with 2 as min value and a class size of 8 .
 18 15 2 37 22 21 19 47 32 38 22 33 46 42 7 31 44 36 37

(i)

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

(ii)

Class-Interval	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
Frequency	2	1	5	3	4	4

(iii)

Class-Interval	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
Frequency	2	4	5	3	4	1

(iv)

Class-Interval	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
Frequency	2	1	2	3	4	4

(v)

Class-Interval	2 - 10	10 - 18	18 - 26	26 - 34	34 - 42	42 - 50
Frequency	2	5	1	3	4	4

Assignment Key

1) (i)	2) (v)	3) (i)	4) (i)	5) (ii)	6) (iv)
7) (iv)	8) (ii)	9) (ii)	10) (ii)		