



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 7.

73 70 69 54 52 69 79 76 71 75 61 74 49 53 49 65

(i)

Marks	49 - 55	56 - 62	63 - 69	70 - 76	77 - 83
No. of Students	5	3	3	6	1

(ii)

Marks	49 - 55	56 - 62	63 - 69	70 - 76	77 - 83
No. of Students	5	1	3	6	1

(iii)

Marks	49 - 55	56 - 62	63 - 69	70 - 76	77 - 83
No. of Students	5	1	7	6	1

(iv)

Marks	49 - 55	56 - 62	63 - 69	70 - 76	77 - 83
No. of Students	5	3	1	6	1

The marks obtained by 19 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 6.

47 71 55 43 49 51 69 51 67 69 69 46 80 72 61 54 42 53 80

(i)

Marks	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78	78 - 84
No. of Students	4	2	4	1	5	1	2

(ii)

Marks	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78	78 - 84
No. of Students	4	2	2	1	5	1	4

(iii)

Marks	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78	78 - 84
No. of Students	4	4	2	4	5	1	2

(iv)

Marks	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78	78 - 84
No. of Students	4	4	2	1	5	1	2

(v)

Marks	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78	78 - 84
No. of Students	4	4	5	1	5	1	2

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 8.

56 80 79 68 47 51 46 76 76 49 48 53 47 46 70 42 47

(i)

Marks	42 - 50	50 - 58	58 - 66	66 - 74	74 - 82
No. of Students	8	3	4	2	4

(ii)

Marks	42 - 50	50 - 58	58 - 66	66 - 74	74 - 82
No. of Students	8	3	0	2	4

(iii)

Marks	42 - 50	50 - 58	58 - 66	66 - 74	74 - 82
No. of Students	8	4	0	2	3

(iv)

Marks	42 - 50	50 - 58	58 - 66	66 - 74	74 - 82
No. of Students	8	6	0	2	4

(v)

Marks	42 - 50	50 - 58	58 - 66	66 - 74	74 - 82
No. of Students	8	0	3	2	4

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

14 19 10 20 20 10 18 20 24 12 13 11 16 12 12 25 23

(i)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	2	2	4	2	1

(ii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	2	2	8	2	1

(iii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	1	2	4	2	2

(iv)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	2	5	4	2	1

The daily wages (in rupees) of 16 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.

268 299 220 272 236 211 257 229 276 241 227 234 250 230 245 264

(i)

Wages (in rupees)	211 - 230	231 - 250	251 - 270	271 - 290	291 - 310
No. of Workers	5	5	8	2	1

(ii)

Wages (in rupees)	211 - 230	231 - 250	251 - 270	271 - 290	291 - 310
No. of Workers	5	3	5	2	1

(iii)

Wages (in rupees)	211 - 230	231 - 250	251 - 270	271 - 290	291 - 310
No. of Workers	5	5	3	2	1

(iv)

Wages (in rupees)	211 - 230	231 - 250	251 - 270	271 - 290	291 - 310
No. of Workers	5	10	3	2	1

(v)

Wages (in rupees)	211 - 230	231 - 250	251 - 270	271 - 290	291 - 310
No. of Workers	5	1	3	2	5

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 30.

208 261 205 243 292 229 224 287 287 221 280 249 296 229 275 274 287 269 247

(i)

Wages (in rupees)	205 - 235	235 - 265	265 - 295	295 - 325
No. of Workers	6	4	4	1

(ii)

Wages (in rupees)	205 - 235	235 - 265	265 - 295	295 - 325
No. of Workers	6	4	8	1

(iii)

Wages (in rupees)	205 - 235	235 - 265	265 - 295	295 - 325
No. of Workers	6	8	4	1

(iv)

Wages (in rupees)	205 - 235	235 - 265	265 - 295	295 - 325
No. of Workers	1	4	8	6

(v)

Wages (in rupees)	205 - 235	235 - 265	265 - 295	295 - 325
No. of Workers	6	9	8	1

7. The weights (in gm) of 17 fruits are as follows. Form the grouped frequency table in inclusive form

by taking class size 50. 269 359 253 262 213 245 398 242 334 325 269 258 319 222 383 332 281

(i)

Weight (in gm)	213 - 262	263 - 312	313 - 362	363 - 412
No. of Fruits	2	3	5	7

(ii)

Weight (in gm)	213 - 262	263 - 312	313 - 362	363 - 412
No. of Fruits	7	3	5	2

(iii)

Weight (in gm)	213 - 262	263 - 312	313 - 362	363 - 412
No. of Fruits	7	5	3	2

(iv)

Weight (in gm)	213 - 262	263 - 312	313 - 362	363 - 412
No. of Fruits	7	3	10	2

(v)

Weight (in gm)	213 - 262	263 - 312	313 - 362	363 - 412
No. of Fruits	7	1	5	2

8. The weights (in gm) of 17 fruits are as follows. Form the grouped frequency table in exclusive form

by taking class size 50. 203 380 239 328 288 250 231 316 304 361 378 348 239 339 202 362 383

(i)

Weight (in gm)	202 - 252	252 - 302	302 - 352	352 - 402
No. of Fruits	6	5	1	5

(ii)

Weight (in gm)	202 - 252	252 - 302	302 - 352	352 - 402
No. of Fruits	6	1	5	5

(iii)

Weight (in gm)	202 - 252	252 - 302	302 - 352	352 - 402
No. of Fruits	6	3	5	5

(iv)

Weight (in gm)	202 - 252	252 - 302	302 - 352	352 - 402
No. of Fruits	6	1	9	5

(v)

Weight (in gm)	202 - 252	252 - 302	302 - 352	352 - 402
No. of Fruits	5	1	5	6

9. Given the sample data, prepare the class interval table in inclusive form with 2 as min value and a class size of 5 .
34 2 16 41 29 8 10 5 25 31 2 42 35 4 26

(i)

Class-Interval	2 - 6	7 - 11	12 - 16	17 - 21	22 - 26	27 - 31	32 - 36	37 - 41	42 - 46
Frequency	4	2	1	0	2	2	2	1	1

(ii)

Class-Interval	2 - 7	7 - 12	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42	42 - 47
Frequency	4	2	1	0	2	2	2	1	1

(iii)

Class-Interval	2 - 6	7 - 11	12 - 16	17 - 21	22 - 26	27 - 31	32 - 36	37 - 41	42 - 46
Frequency	4	2	1	5	2	2	2	1	1

(iv)

Class-Interval	2 - 6	7 - 11	12 - 16	17 - 21	22 - 26	27 - 31	32 - 36	37 - 41	42 - 46
Frequency	4	2	0	1	2	2	2	1	1

(v)

Class-Interval	2 - 6	7 - 11	12 - 16	17 - 21	22 - 26	27 - 31	32 - 36	37 - 41	42 - 46
Frequency	4	1	1	0	2	2	2	1	2

10. Given the sample data, prepare the class interval table in exclusive form with 1 as min value and a class size of 9 .
36 1 42 2 29 50 29 18 49 15 50 38 46 13 32 5

(i)

Class-Interval	1 - 9	10 - 18	19 - 27	28 - 36	37 - 45	46 - 54
Frequency	3	3	0	4	2	4

(ii)

Class-Interval	1 - 10	10 - 19	19 - 28	28 - 37	37 - 46	46 - 55
Frequency	3	4	0	4	2	3

(iii)

Class-Interval	1 - 10	10 - 19	19 - 28	28 - 37	37 - 46	46 - 55
Frequency	3	3	5	4	2	4

(iv)

Class-Interval	1 - 10	10 - 19	19 - 28	28 - 37	37 - 46	46 - 55
Frequency	3	3	0	4	2	4

(v)

Class-Interval	1 - 10	10 - 19	19 - 28	28 - 37	37 - 46	46 - 55
Frequency	3	0	3	4	2	4

Assignment Key

1) (ii)

2) (iv)

3) (ii)

4) (i)

5) (iii)

6) (ii)

7) (ii)

8) (ii)

9) (i)

10) (iv)