



The marks obtained by 15 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.

53 69 75 76 60 77 72 75 40 51 69 46 44 60 64

(i)

Marks	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74	75 - 81
No. of Students	3	4	2	1	3	2

(ii)

Marks	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74	75 - 81
No. of Students	3	2	2	1	3	4

(iii)

Marks	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74	75 - 81
No. of Students	3	2	5	1	3	4

(iv)

Marks	40 - 46	47 - 53	54 - 60	61 - 67	68 - 74	75 - 81
No. of Students	3	2	2	3	3	4

The marks obtained by 20 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 7.

77 45 59 72 40 79 51 66 73 62 78 50 57 47 62 62 64 62 62 48

(i)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	2	2	4	7	2	3

(ii)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	2	4	5	7	2	3

(iii)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	2	4	2	9	2	3

(iv)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	2	3	2	7	2	4

(v)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75	75 - 82
No. of Students	2	4	2	7	2	3

The marks obtained by 18 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.

69 52 57 74 49 77 49 50 67 79 74 48 43 74 49 42 49 53

(i)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	3	2	1	2	3	7

(ii)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	3	1	7	2	3	2

(iii)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	3	7	1	4	3	2

(iv)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	3	7	1	2	3	2

(v)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	3	7	4	2	3	2

4. Construct a frequency table in exclusive form for the following ages (in years) of 20 students, taking class size 3.

17 24 20 12 17 14 11 21 20 11 18 16 25 24 10 11 19 10 24 21

(i)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	1	4	5	3	1

(ii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	1	4	9	3	1

(iii)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	4	1	5	3	1

(iv)

Age (in years)	10 - 13	13 - 16	16 - 19	19 - 22	22 - 25	25 - 28
No. of Students	6	1	7	5	3	1

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

5. Represent the data in the form of a frequency distribution in inclusive form taking class size 30.

286 253 249 232 213 249 217 246 267 215 269 259 244 284 279 236 257 278

(i)

Wages (in rupees)	213 - 242	243 - 272	273 - 302
No. of Workers	5	9	4

(ii)

Wages (in rupees)	213 - 242	243 - 272	273 - 302
No. of Workers	9	5	4

(iii)

Wages (in rupees)	213 - 242	243 - 272	273 - 302
No. of Workers	5	13	4

(iv)

Wages (in rupees)	213 - 242	243 - 272	273 - 302
No. of Workers	4	9	5

(v)

Wages (in rupees)	213 - 242	243 - 272	273 - 302
No. of Workers	5	14	4

The daily wages (in rupees) of 17 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.

262 275 207 264 206 218 269 299 236 238 203 230 230 220 252 269 206

(i)

Wages (in rupees)	203 - 233	233 - 263	263 - 293	293 - 323
No. of Workers	8	4	9	1

(ii)

Wages (in rupees)	203 - 233	233 - 263	263 - 293	293 - 323
No. of Workers	1	4	4	8

(iii)

Wages (in rupees)	203 - 233	233 - 263	263 - 293	293 - 323
No. of Workers	8	8	4	1

(iv)

Wages (in rupees)	203 - 233	233 - 263	263 - 293	293 - 323
No. of Workers	8	4	4	1

7. The weights (in gm) of 15 fruits are as follows. Form the grouped frequency table in inclusive form by taking class size 40. 215 268 213 233 243 338 212 228 326 222 225 330 229 384 393

(i)

Weight (in gm)	212 - 251	252 - 291	292 - 331	332 - 371	372 - 411
No. of Fruits	9	1	2	1	2

(ii)

Weight (in gm)	212 - 251	252 - 291	292 - 331	332 - 371	372 - 411
No. of Fruits	9	3	2	1	2

(iii)

Weight (in gm)	212 - 251	252 - 291	292 - 331	332 - 371	372 - 411
No. of Fruits	9	2	1	1	2

(iv)

Weight (in gm)	212 - 251	252 - 291	292 - 331	332 - 371	372 - 411
No. of Fruits	9	2	2	1	1

(v)

Weight (in gm)	212 - 251	252 - 291	292 - 331	332 - 371	372 - 411
No. of Fruits	9	1	4	1	2

8. The weights (in gm) of 16 fruits are as follows. Form the grouped frequency table in exclusive form by taking class size 50. 381 351 214 229 228 208 212 343 296 394 369 215 212 390 234 269

(i)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	8	5	2	4

(ii)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	8	2	2	4

(iii)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	4	2	2	8

(iv)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	8	2	6	4

9. Given the sample data, prepare the class interval table in inclusive form with 1 as min value and a class size of 5 .

1 30 47 31 12 10 21 23 19 24 32 15 29 12 28 1

(i)

Class-Interval	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50
Frequency	2	1	3	5	3	3	2	0	0	1

(ii)

Class-Interval	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50
Frequency	2	1	3	1	3	3	2	0	0	1

(iii)

Class-Interval	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50
Frequency	2	3	1	1	3	3	2	0	0	1

(iv)

Class-Interval	1 - 5	6 - 10	11 - 15	16 - 20	21 - 25	26 - 30	31 - 35	36 - 40	41 - 45	46 - 50
Frequency	2	1	1	3	3	3	2	0	0	1

(v)

Class-Interval	1 - 6	6 - 11	11 - 16	16 - 21	21 - 26	26 - 31	31 - 36	36 - 41	41 - 46	46 - 51
Frequency	2	1	3	1	3	3	2	0	0	1

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

11 30 19 40 37 2 34 3 48 30 30 14 32 35 19 11

(i)

Class-Interval	2 - 11	11 - 20	20 - 29	29 - 38	38 - 47	47 - 56
Frequency	2	0	5	7	1	1

(ii)

Class-Interval	2 - 11	11 - 20	20 - 29	29 - 38	38 - 47	47 - 56
Frequency	2	5	2	7	1	1

(iii)

Class-Interval	2 - 11	11 - 20	20 - 29	29 - 38	38 - 47	47 - 56
Frequency	2	5	0	7	1	1

(iv)

Class-Interval	2 - 11	11 - 20	20 - 29	29 - 38	38 - 47	47 - 56
Frequency	2	1	0	7	1	5

(v)

Class-Interval	2 - 10	11 - 19	20 - 28	29 - 37	38 - 46	47 - 55
Frequency	2	5	0	7	1	1

Assignment Key

1) (ii)

2) (v)

3) (iv)

4) (i)

5) (i)

6) (iv)

7) (i)

8) (ii)

9) (ii)

10) (iii)