



The marks obtained by 17 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.

78 63 46 42 40 79 57 53 76 77 70 61 77 45 80 50 57

(i)	Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84
	No. of Students	2	2	2	6	2	0	1	5	1

(ii)	Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84
	No. of Students	2	2	2	2	2	0	1	5	1

(iii)	Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84
	No. of Students	2	1	2	2	2	0	1	5	2

(iv)	Marks	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84
	No. of Students	2	2	2	2	7	0	1	5	1

The marks obtained by 15 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.

41 61 49 52 61 61 56 60 63 74 45 45 66 63 43

(i)	Marks	41 - 47	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
	No. of Students	4	1	1	6	1	2

(ii)	Marks	41 - 47	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
	No. of Students	4	2	1	6	1	1

(iii)	Marks	41 - 47	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
	No. of Students	4	2	1	9	1	1

(iv)	Marks	41 - 47	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
	No. of Students	4	1	2	6	1	1

(v)	Marks	41 - 47	47 - 53	53 - 59	59 - 65	65 - 71	71 - 77
	No. of Students	4	2	4	6	1	1

The marks obtained by 16 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.

50 65 54 69 44 41 55 55 40 58 42 40 73 73 66 63

(i)

Marks	40 - 47	47 - 54	54 - 61	61 - 68	68 - 75
No. of Students	5	1	8	3	3

(ii)

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

(iii)

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

(iv)

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

(v)

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

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

15 12 23 13 18 14 12 25 19 14 20 12 25 16 13

(i)

Age (in years)	12 - 16	16 - 20	20 - 24	24 - 28
No. of Students	2	3	2	8

(ii)

Age (in years)	12 - 16	16 - 20	20 - 24	24 - 28
No. of Students	8	7	2	2

(iii)

Age (in years)	12 - 16	16 - 20	20 - 24	24 - 28
No. of Students	8	3	2	2

(iv)

Age (in years)	12 - 16	16 - 20	20 - 24	24 - 28
No. of Students	8	3	5	2

(v)

Age (in years)	12 - 16	16 - 20	20 - 24	24 - 28
No. of Students	8	2	3	2

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 20.

264 224 246 248 275 230 273 294 254 204 269 272 287 246 208 256 299 285

(i)

Wages (in rupees)	204 - 223	224 - 243	244 - 263	264 - 283	284 - 303
No. of Workers	2	4	5	5	4

(ii)

Wages (in rupees)	204 - 223	224 - 243	244 - 263	264 - 283	284 - 303
No. of Workers	2	4	5	5	2

(iii)

Wages (in rupees)	204 - 223	224 - 243	244 - 263	264 - 283	284 - 303
No. of Workers	2	2	7	5	4

(iv)

Wages (in rupees)	204 - 223	224 - 243	244 - 263	264 - 283	284 - 303
No. of Workers	2	2	5	5	4

(v)

Wages (in rupees)	204 - 223	224 - 243	244 - 263	264 - 283	284 - 303
No. of Workers	2	5	2	5	4

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.

285 242 214 287 202 207 292 252 283 215 226 206 269 251 279 275 256 206 239

(i)

Wages (in rupees)	202 - 222	222 - 242	242 - 262	262 - 282	282 - 302
No. of Workers	6	4	2	3	4

(ii)

Wages (in rupees)	202 - 222	222 - 242	242 - 262	262 - 282	282 - 302
No. of Workers	6	7	4	3	4

(iii)

Wages (in rupees)	202 - 222	222 - 242	242 - 262	262 - 282	282 - 302
No. of Workers	6	4	4	3	2

(iv)

Wages (in rupees)	202 - 222	222 - 242	242 - 262	262 - 282	282 - 302
No. of Workers	6	2	8	3	4

(v)

Wages (in rupees)	202 - 222	222 - 242	242 - 262	262 - 282	282 - 302
No. of Workers	6	2	4	3	4

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

by taking class size 40. 295 371 400 297 350 330 344 326 280 230 344 254 264 236 378 249

(i)

Weight (in gm)	230 - 269	270 - 309	310 - 349	350 - 389	390 - 429
No. of Fruits	5	7	4	3	1

(ii)

Weight (in gm)	230 - 269	270 - 309	310 - 349	350 - 389	390 - 429
No. of Fruits	5	1	4	3	3

(iii)

Weight (in gm)	230 - 269	270 - 309	310 - 349	350 - 389	390 - 429
No. of Fruits	5	3	7	3	1

(iv)

Weight (in gm)	230 - 269	270 - 309	310 - 349	350 - 389	390 - 429
No. of Fruits	5	4	3	3	1

(v)

Weight (in gm)	230 - 269	270 - 309	310 - 349	350 - 389	390 - 429
No. of Fruits	5	3	4	3	1

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

8. by taking class size 50.

388 307 313 277 269 227 208 257 284 354 348 272 209 383 226 398 400 365 270

(i)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	5	6	1	5

(ii)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	5	10	3	5

(iii)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	5	6	3	5

(iv)

Weight (in gm)	208 - 258	258 - 308	308 - 358	358 - 408
No. of Fruits	5	3	6	5

9. Given the sample data, prepare the class interval table in inclusive form with 4 as min value and a class size of 6 .
 25 41 42 14 47 35 4 19 32 34 6 19 27 17 37 45 44 33

(i)

Class-Interval	4 - 10	10 - 16	16 - 22	22 - 28	28 - 34	34 - 40	40 - 46	46 - 52
Frequency	2	1	3	2	2	3	4	1

(ii)

Class-Interval	4 - 9	10 - 15	16 - 21	22 - 27	28 - 33	34 - 39	40 - 45	46 - 51
Frequency	2	1	5	2	2	3	4	1

(iii)

Class-Interval	4 - 9	10 - 15	16 - 21	22 - 27	28 - 33	34 - 39	40 - 45	46 - 51
Frequency	2	1	3	2	2	3	4	1

(iv)

Class-Interval	4 - 9	10 - 15	16 - 21	22 - 27	28 - 33	34 - 39	40 - 45	46 - 51
Frequency	2	1	2	3	2	3	4	1

10. Given the sample data, prepare the class interval table in exclusive form with 2 as min value and a class size of 10 .
 5 30 35 12 23 45 36 41 2 40 20 36 22 36 35 14 46

(i)

Class-Interval	2 - 11	12 - 21	22 - 31	32 - 41	42 - 51
Frequency	2	3	3	7	2

(ii)

Class-Interval	2 - 12	12 - 22	22 - 32	32 - 42	42 - 52
Frequency	2	2	3	7	3

(iii)

Class-Interval	2 - 12	12 - 22	22 - 32	32 - 42	42 - 52
Frequency	2	3	3	7	2

(iv)

Class-Interval	2 - 12	12 - 22	22 - 32	32 - 42	42 - 52
Frequency	2	8	3	7	2

Assignment Key

1) (ii)

2) (ii)

3) (iv)

4) (iii)

5) (iv)

6) (v)

7) (v)

8) (iii)

9) (iii)

10) (iii)