



The marks obtained by 20 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.

54 55 67 49 65 58 62 64 43 64 51 55 41 54 53 69 70 57 64 51

(i)

Marks	41 - 48	49 - 56	57 - 64	65 - 72
No. of Students	2	6	6	4

(ii)

Marks	41 - 48	49 - 56	57 - 64	65 - 72
No. of Students	2	6	8	4

(iii)

Marks	41 - 48	49 - 56	57 - 64	65 - 72
No. of Students	4	8	6	2

(iv)

Marks	41 - 48	49 - 56	57 - 64	65 - 72
No. of Students	2	8	8	4

(v)

Marks	41 - 48	49 - 56	57 - 64	65 - 72
No. of Students	2	8	6	4

The marks obtained by 18 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 8.

78 79 71 49 47 41 43 49 53 76 56 70 61 78 57 74 79 75

(i)

Marks	41 - 49	49 - 57	57 - 65	65 - 73	73 - 81
No. of Students	3	2	4	2	7

(ii)

Marks	41 - 49	49 - 57	57 - 65	65 - 73	73 - 81
No. of Students	3	6	2	2	7

(iii)

Marks	41 - 49	49 - 57	57 - 65	65 - 73	73 - 81
No. of Students	3	4	2	2	7

(iv)

Marks	41 - 49	49 - 57	57 - 65	65 - 73	73 - 81
No. of Students	3	4	6	2	7

(v)

Marks	41 - 49	49 - 57	57 - 65	65 - 73	73 - 81
No. of Students	3	7	2	2	4

The marks obtained by 19 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.

46 74 48 64 44 54 78 80 47 69 77 55 47 53 61 42 66 63 45

(i)

Marks	42 - 49	49 - 56	56 - 63	63 - 70	70 - 77	77 - 84
No. of Students	7	3	1	9	1	3

(ii)

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

(iii)

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

(iv)

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

4. Construct a frequency table in exclusive form for the following ages (in years) of 18 students, taking class size 4.

22 24 10 25 16 22 16 14 20 25 10 18 23 20 10 24 23 24

(i)

Age (in years)	10 - 14	14 - 18	18 - 22	22 - 26
No. of Students	3	8	3	9

(ii)

Age (in years)	10 - 14	14 - 18	18 - 22	22 - 26
No. of Students	3	3	3	9

(iii)

Age (in years)	10 - 14	14 - 18	18 - 22	22 - 26
No. of Students	3	3	6	9

(iv)

Age (in years)	10 - 14	14 - 18	18 - 22	22 - 26
No. of Students	9	3	3	3

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.

285 206 227 254 209 201 204 250 230 226 237 269 300 202 238 222 220 285

(i)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	6	8	2	1	3

(ii)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	6	2	6	1	3

(iii)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	6	6	2	1	3

(iv)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	6	3	2	1	6

(v)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	6	6	4	1	3

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 20.

245 249 205 277 249 265 204 223 217 259 299 279 267 252 225 216 253

(i)

Wages (in rupees)	204 - 224	224 - 244	244 - 264	264 - 284	284 - 304
No. of Workers	5	1	3	4	1

(ii)

Wages (in rupees)	204 - 224	224 - 244	244 - 264	264 - 284	284 - 304
No. of Workers	5	5	6	4	1

(iii)

Wages (in rupees)	204 - 224	224 - 244	244 - 264	264 - 284	284 - 304
No. of Workers	5	6	1	4	1

(iv)

Wages (in rupees)	204 - 224	224 - 244	244 - 264	264 - 284	284 - 304
No. of Workers	5	1	6	4	1

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

7. by taking class size 40.

345 350 248 330 245 374 226 307 387 288 380 305 210 303 386 270 273 368 306

(i)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	4	3	8	4	4

(ii)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	4	4	3	4	4

(iii)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	4	4	4	4	3

(iv)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	4	3	4	4	4

(v)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	4	1	4	4	4

8. The weights (in gm) of 15 fruits are as follows. Form the grouped frequency table in exclusive form by taking class size 40. 283 236 263 342 305 375 305 220 292 213 319 329 383 351 216

(i)

Weight (in gm)	213 - 253	253 - 293	293 - 333	333 - 373	373 - 413
No. of Fruits	4	2	4	2	3

(ii)

Weight (in gm)	213 - 253	253 - 293	293 - 333	333 - 373	373 - 413
No. of Fruits	4	3	7	2	2

(iii)

Weight (in gm)	213 - 253	253 - 293	293 - 333	333 - 373	373 - 413
No. of Fruits	4	4	3	2	2

(iv)

Weight (in gm)	213 - 253	253 - 293	293 - 333	333 - 373	373 - 413
No. of Fruits	4	3	4	2	2

(v)

Weight (in gm)	213 - 253	253 - 293	293 - 333	333 - 373	373 - 413
No. of Fruits	4	7	4	2	2

9. Given the sample data, prepare the class interval table in inclusive form with 1 as min value and a class size of 8 .
41 31 35 5 23 43 42 20 26 2 29 25 1 21 48 30 41 20 50 26

(i)

Class-Interval	1 - 8	9 - 16	17 - 24	25 - 32	33 - 40	41 - 48	49 - 56
Frequency	3	4	0	6	1	5	1

(ii)

Class-Interval	1 - 8	9 - 16	17 - 24	25 - 32	33 - 40	41 - 48	49 - 56
Frequency	3	1	4	6	1	5	0

(iii)

Class-Interval	1 - 9	9 - 17	17 - 25	25 - 33	33 - 41	41 - 49	49 - 57
Frequency	3	0	4	6	1	5	1

(iv)

Class-Interval	1 - 8	9 - 16	17 - 24	25 - 32	33 - 40	41 - 48	49 - 56
Frequency	3	0	4	6	1	5	1

(v)

Class-Interval	1 - 8	9 - 16	17 - 24	25 - 32	33 - 40	41 - 48	49 - 56
Frequency	3	0	8	6	1	5	1

10. Given the sample data, prepare the class interval table in exclusive form with 2 as min value and a class size of 5 .
50 2 33 6 32 16 50 16 38 34 50 38 20 34 45

(i)

Class-Interval	2 - 7	7 - 12	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42	42 - 47	47 - 52
Frequency	2	0	2	1	0	0	4	2	1	3

(ii)

Class-Interval	2 - 7	7 - 12	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42	42 - 47	47 - 52
Frequency	2	2	0	1	0	0	4	2	1	3

(iii)

Class-Interval	2 - 6	7 - 11	12 - 16	17 - 21	22 - 26	27 - 31	32 - 36	37 - 41	42 - 46	47 - 51
Frequency	2	0	2	1	0	0	4	2	1	3

(iv)

Class-Interval	2 - 7	7 - 12	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42	42 - 47	47 - 52
Frequency	2	0	1	2	0	0	4	2	1	3

(v)

Class-Interval	2 - 7	7 - 12	12 - 17	17 - 22	22 - 27	27 - 32	32 - 37	37 - 42	42 - 47	47 - 52
Frequency	2	0	2	6	0	0	4	2	1	3

Assignment Key

1) (v)

2) (iii)

3) (ii)

4) (ii)

5) (iii)

6) (iv)

7) (iv)

8) (iv)

9) (iv)

10) (i)

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