The marks obtained by 19 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.

77 67 76 49 63 64 64 73 63 44 73 66 67 80 57 76 75 45 42

(i)

Marks	42 - 49	50 - 57	58 - 65	66 - 73	74 - 81
No. of Students	4	5	4	5	1

(ii)

Marks	42 - 49	50 - 57	58 - 65	66 - 73	74 - 81
No. of Students	4	1	2	5	5

(iii)

Marks	42 - 49	50 - 57	58 - 65	66 - 73	74 - 81
No. of Students	4	1	4	5	5

(iv)

Marks	42 - 49	50 - 57	58 - 65	66 - 73	74 - 81
No. of Students	4	4	4	5	5

(v)

Marks	42 - 49	50 - 57	58 - 65	66 - 73	74 - 81
No. of Students	4	4	1	5	5

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 7.

71 51 75 43 47 44 65 72 55 80 54 51 77 53 49 63 74 55

(i)

Marks	43 - 50	50 - 57	57 - 64	64 - 71	71 - 78	78 - 85
No. of Students	4	6	1	1	5	1

(ii)

Marks	43 - 50	50 - 57	57 - 64	64 - 71	71 - 78	78 - 85
No. of Students	4	1	6	1	5	1

(iii)

Marks	43 - 50	50 - 57	57 - 64	64 - 71	71 - 78	78 - 85
No. of Students	4	6	1	3	5	1

(iv)

Marks	43 - 50	50 - 57	57 - 64	64 - 71	71 - 78	78 - 85
No. of Students	4	6	4	1	5	1

(v)

Marks	43 - 50	50 - 57	57 - 64	64 - 71	71 - 78	78 - 85
No. of Students	4	1	1	1	5	6

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 6.

68 44 58 65 79 77 48 40 56 61 45 73 76 53 78 73 50 63 75

(i)

Marks	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70	70 - 76	76 - 82
No. of Students	3	2	2	8	2	3	4

(ii)

Marks	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70	70 - 76	76 - 82
No. of Students	3	4	2	3	2	3	2

(iii)

Marks	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70	70 - 76	76 - 82
No. of Students	3	2	2	3	2	3	4

(iv)

Marks	40 - 46	46 - 52	52 - 58	58 - 64	64 - 70	70 - 76	76 - 82
No. of Students	3	2	5	3	2	3	4

4. Construct a frequency table in exclusive form for the following ages (in years) of 19 students, taking class size 3.

16 19 20 12 20 23 15 19 21 22 24 22 14 17 13 14 19 18 20

(i)

Age (in years)	12 - 15	15 - 18	18 - 21	21 - 24	24 - 27
No. of Students	4	8	7	4	1

(ii)

Age (in years)	12 - 15	15 - 18	18 - 21	21 - 24	24 - 27
No. of Students	4	7	3	4	1

(iii)

Age (in years)	12 - 15	15 - 18	18 - 21	21 - 24	24 - 27
No. of Students	4	3	7	4	1

(iv)

Age (in years)	12 - 15	15 - 18	18 - 21	21 - 24	24 - 27
No. of Students	4	1	7	4	3

(v)

Age (in years)	12 - 15	15 - 18	18 - 21	21 - 24	24 - 27
No. of Students	4	3	5	4	1

The daily wages (in rupees) of 15 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.

295 261 222 251 249 273 220 234 247 207 219 262 255 201 220

(i)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	5	2	4	3	1

(ii)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	5	4	2	3	1

(iii)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	5	6	4	3	1

(iv)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	5	1	4	3	2

(v)

Wages (in rupees)	201 - 220	221 - 240	241 - 260	261 - 280	281 - 300
No. of Workers	5	2	9	3	1

6. The daily wages (in rupees) of 19 workers in a factory are given below.
Represent the data in the form of a frequency distribution in exclusive form taking class size 30.
237 223 220 267 245 276 270 256 288 258 210 280 250 231 218 211 245 234 287

(i)

Wages (in rupees)	210 - 240	240 - 270	270 - 300
No. of Workers	6	8	5

(ii)

Wages (in rupees)	210 - 240	240 - 270	270 - 300
No. of Workers	8	2	5

(iii)

Wages (in rupees)	210 - 240	240 - 270	270 - 300
No. of Workers	5	6	8

(iv)

Wages (in rupees)	210 - 240	240 - 270	270 - 300
No. of Workers	8	6	5

7. The weights (in gm) of 15 fruits are as follows. Form the grouped frequency table in inclusive form by taking class size 40.
292 388 257 327 215 393 346 337 275 266 210 237 392 239 234

(i)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	5	3	4	2	3

(ii)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	5	7	2	2	3

(iii)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	5	2	3	2	3

(iv)

Weight (in gm)	210 - 249	250 - 289	290 - 329	330 - 369	370 - 409
No. of Fruits	5	3	2	2	3

8. The weights (in gm) of 17 fruits are as follows. Form the grouped frequency table in exclusive form by taking class size 50.
349 387 359 323 344 256 344 227 347 324 351 266 291 303 386 265 274

(i)

Weight (in gm)	227 - 277	277 - 327	327 - 377	377 - 427
No. of Fruits	5	6	4	2

(ii)

Weight (in gm)	227 - 277	277 - 327	327 - 377	377 - 427
No. of Fruits	5	6	6	2

(iii)

Weight (in gm)	227 - 277	277 - 327	327 - 377	377 - 427
No. of Fruits	5	4	8	2

(iv)

Weight (in gm)	227 - 277	277 - 327	327 - 377	377 - 427
No. of Fruits	5	4	6	2

(v)

Weight (in gm)	227 - 277	277 - 327	327 - 377	377 - 427
No. of Fruits	2	4	6	5

9. Given the sample data, prepare the class interval table in inclusive form with 3 as min value and a class size of 8 .
19 23 41 28 5 12 22 35 32 42 13 35 39 3 10 23 29 37 21

(i)

Class-Interval	3 - 10	11 - 18	19 - 26	27 - 34	35 - 42
Frequency	3	2	5	3	6

(ii)

Class-Interval	3 - 10	11 - 18	19 - 26	27 - 34	35 - 42
Frequency	3	4	5	3	6

(iii)

Class-Interval	3 - 10	11 - 18	19 - 26	27 - 34	35 - 42
Frequency	3	5	2	3	6

(iv)

Class-Interval	3 - 11	11 - 19	19 - 27	27 - 35	35 - 43
Frequency	3	2	5	3	6

(v)

Class-Interval	3 - 10	11 - 18	19 - 26	27 - 34	35 - 42
Frequency	3	6	5	3	2

10. Given the sample data, prepare the class interval table in exclusive form with 1 as min value and a class size of 8 .
22 23 49 37 21 36 46 24 8 31 22 50 14 36 14 25 22 1 23

(i)

Class-Interval	1 - 9	9 - 17	17 - 25	25 - 33	33 - 41	41 - 49	49 - 57
Frequency	2	7	2	2	3	1	2

(ii)

Class-Interval	1 - 8	9 - 16	17 - 24	25 - 32	33 - 40	41 - 48	49 - 56
Frequency	2	2	7	2	3	1	2

(iii)

Class-Interval	1 - 9	9 - 17	17 - 25	25 - 33	33 - 41	41 - 49	49 - 57
Frequency	2	2	7	2	3	1	2

(iv)

Class-Interval	1 - 9	9 - 17	17 - 25	25 - 33	33 - 41	41 - 49	49 - 57
Frequency	2	2	4	2	3	1	2

Assignment Key

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

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