

Name: \_\_\_\_\_

## Frequency Distribution of Grouped Data

**Exercise 1:** Construct a grouped frequency distribution table knowing that the first class is: 7.5–10.5 :

7.8	8.0	14.0	17.2	20.5	17.9	15.8	24.1	20.4	15.7
8.0	16.0	15.0	13.8	16.9	18.3	15.0	22.9	16.6	24.8
8.1	9.7	31.8	13.6	22.1	13.0	19.8	16.8	32.3	22.6
9.6	16.1	16.4	26.6	17.7	12.6	14.2	26.3	23.7	20.2
8.9	10.4	12.2	24.0	13.6	24.8	17.3	17.8	16.6	33.8
16.6	10.5	16.2	11.6	17.2	18.1	24.9	26.5	24.0	23.2
22.0	11.6	9.2	21.1	17.6	24.9	17.3	20.0	32.8	22.0
10.4	11.6	11.6	12.2	16.5	17.7	20.2	14.2	25.1	15.2
8.4	10.6	8.5	21.8	18.6	20.0	23.9	17.9	36.1	25.3

**Exercise 2:** Given the following numbers:

30, 31, 31, 31, 37, 37, 37, 39, 39, 40, 40, 42, 42, 42, 42, 43, 43, 45, 45, 46, 46, 46, 48, 48, 48, 49, 50, 50, 56, 56

- Construct a frequency table for grouped data having 6 classes.
- Find the range
- Find the mid-value
- Find the decreasing cumulative frequency
- Find the increasing cumulative frequency

**Exercise 3:** The following marks were obtained in an examination taken by 100 students:

Marks	No. of Students
25 - 30	2
30 - 35	3
35 - 40	7
40 - 45	7
45 - 50	8
50 - 55	25
55 - 60	18
60 - 65	12
65 - 70	10
70 - 75	8

Construct a grouped frequency distribution table to show the relative frequency, percentage, cumulative frequency and the relative cumulative frequency.