Name: _____

Frequency Polygons

1) During a 30 – day period, the daily number of station wages rented by an automobile rental agency was as follows

7	4	7	5	7	6	9	10	8	9
10	9	9	5	8	9	7	4	9	5
6	7	9	8	4	7	12	7	5	7

    1) Construct a frequency distribution for the data

    2) Display the frequency distribution in a frequency polygon

    3) Display the frequency distribution in an Ogive

2) The table below shows the daily expenditure on food of 25 households in a locality.

Daily expenditure	Number of households
100 – 150	4
150 – 200	5
200 – 250	1
250 – 300	2
300 – 350	2

Display the data in a frequency polygon

3) To find out the concentration of SO_2 in the air (in parts per million, i.e., ppm), the data was collected for 30 localities in a certain city and is presented below:

Concentration of SO_2 (in ppm)	Frequency
0.00 - 0.04	4
0.04 - 0.08	9
0.08 - 0.12	9
0.12 - 0.16	2
0.16 - 0.20	4
0.20 - 0.24	2

Display the data in a frequency polygon