Name: _____   Date: _____

Tamiko works after school at her father's convenience store. The hours she worked some days after school and on weekends in February are shown.

2.0	2.5	3.0	4.0	2.0	2.5	3.5	4.0	3.0	2.5	3.0	4.0
1.0	0.5	2.5	3.0	5.0	7.0	4.5	6.0	3.5	4.0	8.0	7.5

a. Create a dot plot of the data. Make sure you label the graph.

b. Calculate the following:
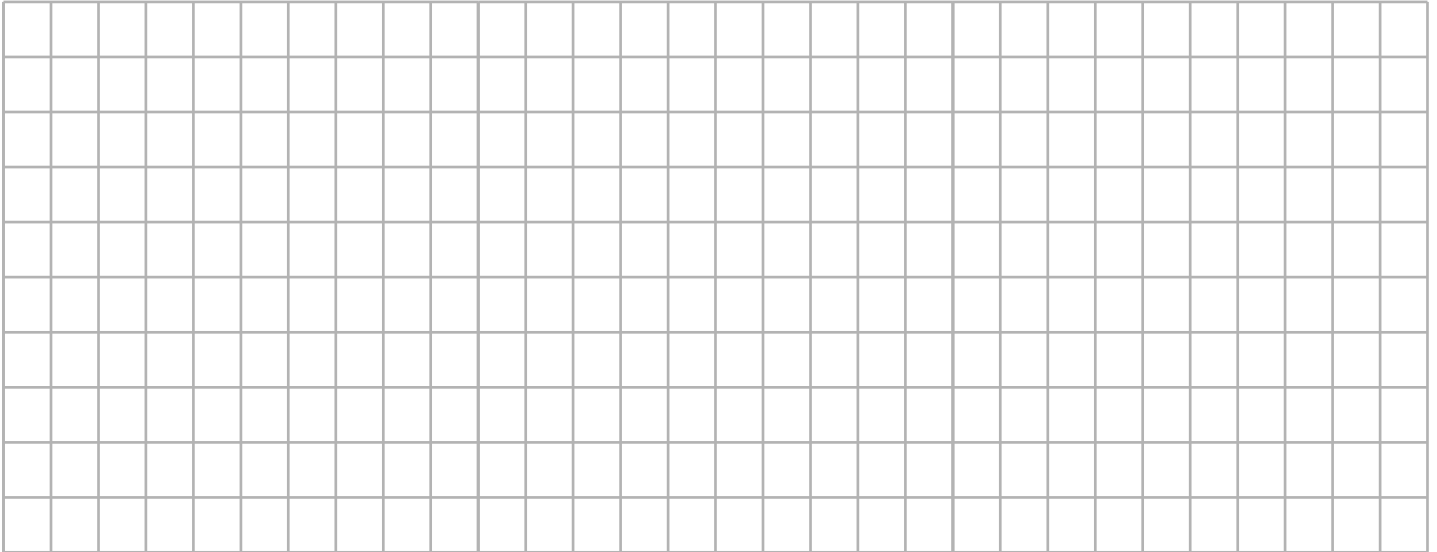
Mean: _____   Median: _____   Mode: _____
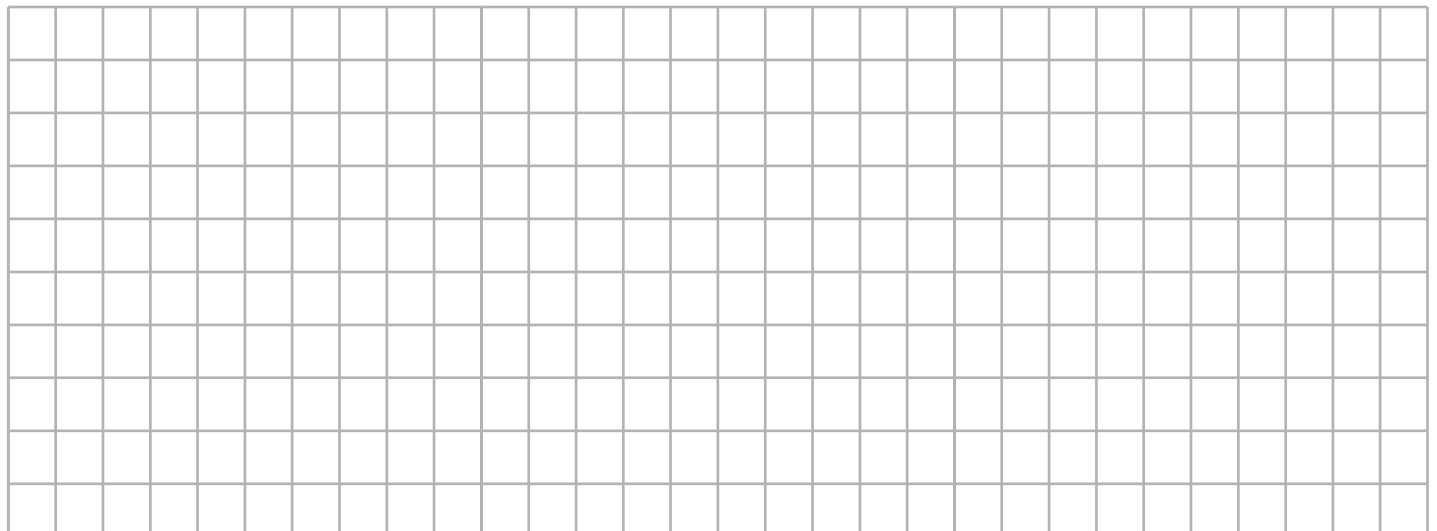
Maximum: _____   Minimum: _____   Range: _____

c. Create a Frequency table. **Justify** your choice of interval width.

Hours								
Tally								
Frequency								

d. Sketch a histogram of this data.   Ensure you label your axes appropriately.
     You may do this using your calculator and then sketch the histogram below.

e. Determine the midpoint of each interval you have chosen and sketch a frequency polygon showing the
     distribution of the time Tamiko worked. Please label your axes and title your graph.

f. What conclusions can you easily draw from each of the graphs you have created? What are the advantages of each type of graph?

Dot Plot (line graph)	Histogram	Frequency Polygon