

Name: _____

Chapter 2.3 Graphing ^{Worksheet}

1. A restaurant employs 36 waitresses. The following show the number of hours that each worked during the first week of June.

52 43 51 55 42 41 48 40 25 39 41 49
 48 52 51 42 46 27 59 46 61 38 42 30
 51 40 32 40 40 42 47 52 34 48 42 43

- Construct a Stem-and-Leaf diagram.
 - Construct a Dotplot diagram of the number of hours.
 - Give one inference and one descriptive description of the data set.
2. The three pizza chains with the largest share of total sales are Pizza Hut, Domino's and Little Ceasar's (The Wall Street Journal, April 21, 1989). Their percentages of total sales are given below.

Company	% of Total Sales
Pizza Hut	20.7
Domino's	17.0
Little Ceasar's	6.7
Others	55.6

- Give the measure of the angle if asked to draw a pie chart.
 - Draw a pareto chart.
 - Give one inference and one descriptive description of the data set.
3. The following data were collected from 30 customers regarding their preferences on a scale from 1 to 100 about a Chevrolet Impala. Use the data listed below to construct a relative frequency distribution table and draw a relative frequency distribution histogram.

58 87 29 19 2 11 73 23 51 35 17 80 62 53 74 use 10 classes
 23 79 87 21 89 42 72 77 38 28 71 12 33 19 17

4. Draw a histogram for the following frequency distribution table.

IQ Range	Frequency
71-80	57
81-90	160
91-100	360
101-110	462
111-120	298
121-130	179

5. Give 2 examples of graphs for quantitative and qualitative data.