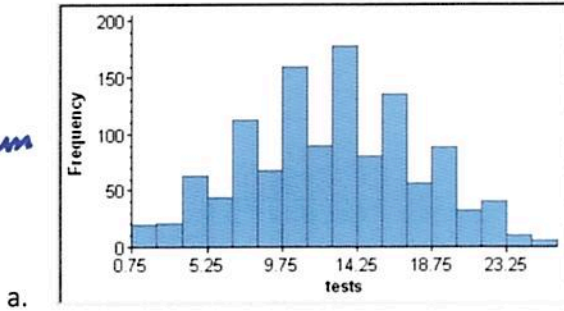


Instructions: Show all work (that work can be in the form of a spreadsheet submitted along with the quiz or done by hand on paper; if you use your calculator, say what functions you used). Report answers to the standard number of decimal places, or to the number requested in the problem. Be sure to answer all parts of the questions, including requests for interpretation and explanations. Be as thorough as possible.

1. For each of the graphs below, state the type of graph shown.

histogram

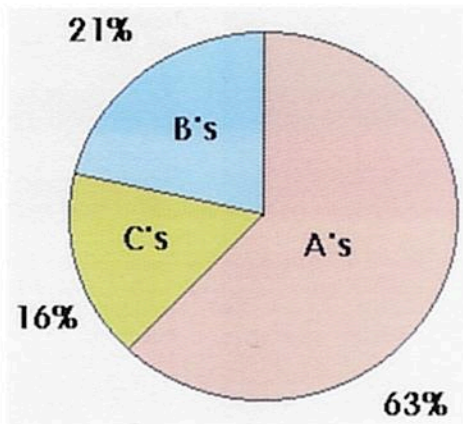


a.

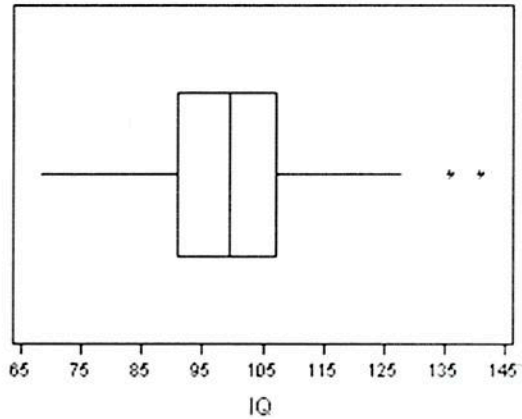


d.

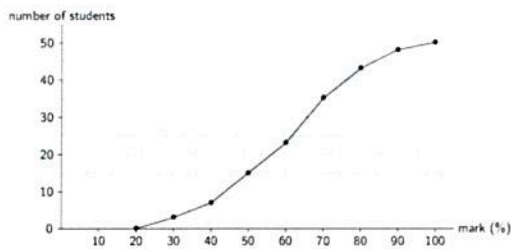
pie chart.



b.



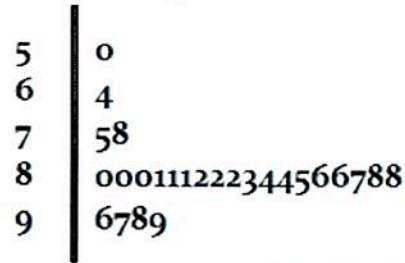
e.



c.

Cumulative distribution

Test scores -- 3rd Grade



f.

stemplot

2. Below is frequency table summarizing the results of a small survey about people's favorite color.

Colour	Frequency
Black	3
Blue	9
Green	6
Orange	2
Pink	2
Purple	1
Red	6
Yellow	1

Convert this table (copy and paste into Excel) into a Pie Chart, and a Pareto chart. Copy and paste your graphs into your quiz document. Explain the differences between the graphs.

graphs in Excel file.

Pie chart display percentages of a whole as wedges of a circle

Pareto chart is a bar chart, but one where the bars are organized by size (either largest to smallest or the reverse). Excel also adds a cumulative relative frequency combination graph to all Pareto graphs. Strictly speaking, this is not required.