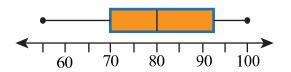# Box, Stem-Leaf, and Histogram Worksheet

Graph It! Graph It Good.

1. The following box-and-whisker plot represents the scores earned on a statistic test. Find the median score.

2. Which of the following options is closest to the median found in Problem 1. (i) Lowest score (ii) First quartile (iii) Third quartile

3. Can you find the average score from the above box-and-whisker plot. (i) Yes (ii) No (iii) Maybe

4. Use the data below to complete the frequency table.
15, 16, 5, 7, 20, 19, 8, 13, 6, 17, 6, 9, 19, 6, 14, 8, 20, 5, 18, 8, 13, 7, 18.

Interval	Frequency
5 - 8	
9 - 12	
13 - 16	
17 - 20	

5. Find the mode of the set of data given in Problem 4.

6. Use the frequency table to draw a histogram of the data given in Problem 4.

7. The following table of values gives the miles Anne cycled per day in a given week.

Day	Miles
S	12
M	11
T	21
W	24
Th	33
F	13
S	33

Find the median, mode and range for the above list of values.

8. Use the table in Problem 7 to construct a stem-and-leaf plot.

9. Use the following data to make a box-and-whisker plot for shares of Yehaw! traded in the years 1996 to 2000.

Years	Shares (Millions)
1996	100
1997	140
1998	222
1999	196
2000	250

10. Draw a histogram with the following data: 19, 18, 17, 14, 22, 23, 14, 22, 23, 19, 17, 19