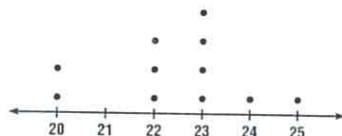


Use the *Round-Off Rule* (round to one decimal place past your data) on this study guide unless otherwise indicated.

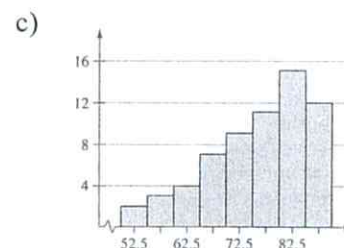
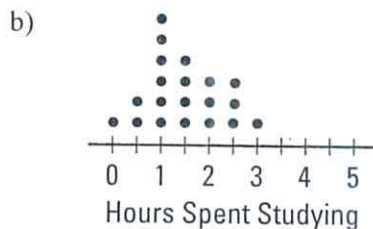
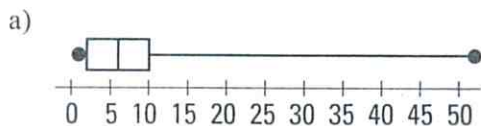
- Find the mean, median and mode of the following data: 21, 27, 20, 29, 23, 21, 21, 27, 26, 25
- Find the mean, median, and mode of the data shown in the dot plot below:



- The number of stamps in the collections of stamp club members are:

36 39 41 42 48 50 52 54 56 57 59 60 62 62 68 75 77 77 78 78 80 81 81 84 100

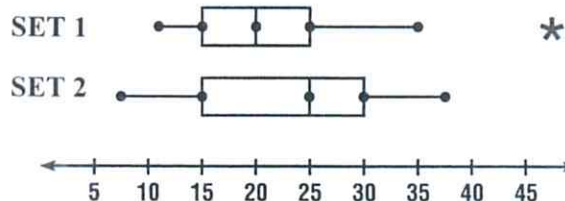
- Find the range
  - Find the median,  $Q_2$
  - Find  $Q_1$
  - Find  $Q_3$
  - Find the IQR
  - Draw a box plot
- Tell whether the data in the data displays shown below is *symmetric*, *right-skewed*, or *left-skewed*.



- Use the box plot shown at the right.

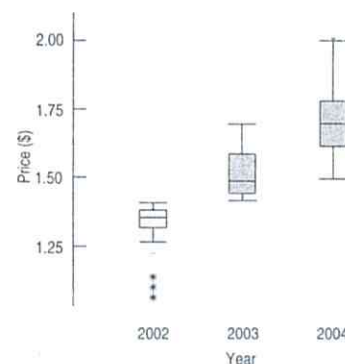
Write 5 comparisons between the 2 data sets.

Be VERY specific, using numbers, percentages, etc.



Use the box plot at the right to answer questions 7 – 12.

- In which year were the gas prices the highest? Lowest?
- For which 2 years was the max price equal to the min price?
- For which 2 years was the max price equal to the median?
- What percentage of gas prices were under \$1.75 in 2002? In 2003? In 2004?
- What was the mean gas price in 2003?
- In which year were gas prices least stable? Explain.



- Find the standard deviation of this sample of data: 15 16 37 47 2 19 22 7 5
- For the histogram in 4c, which measure of center best describes the data? Measure of spread? Why?