**MAT150.5 Statistics Assignment #4**

[www.helpyourmath.com/150.5](http://www.helpyourmath.com/150.5)

1. Find the first, second, and third quartiles for the ages of the 10 most powerful women using the data set listed.

26, 70, 37, 47, 31, 45, 43, 42, 44, 48, 35

1. Find the median.
2. Find the first and third quartiles, 𝑄1 and 𝑄3.
3. Find the interquartile range.
4. Identify any data entries less than 𝑄1 − 1.5(𝐼QR) or greater than 𝑄3 + 1.5(𝐼QR).
5. Any outliers?
6. Find the five-number summary of the data set.

g. Draw the box, the vertical line, and the whiskers.

1. What are the outliers for: 19, 2, 4, 5, 7, 3, 1, 3, 20
2. Find the 5 number summary, the interquartile range, and then construct a box and whisker plot for the data given.

8, 15, 12, 10, 6, 7, 4, 10

1. Find the 5 number summary and construct a box and whisker plot for the data given.

71, 72, 59, 69, 72, 25, 70, 73, 77