

Name:

Section:

### Performance Task #1

Time to Investigate!

A random sample of 20 students were asked to estimate the average number of hours they spent per week studying outside of class. Construct a frequency distribution table and solve the following measures of position. (Use  $i = 3$ )

3	6	15	14	7
12	11	4	16	14
9	8	13	10	9
12	11	3	13	5

Calculate the following:

1.  $Q_1$
2.  $D_5$
3.  $D_8$
4.  $P_{40}$
5.  $P_{85}$

Complete the Frequency Distribution table below:

Class Interval	Frequency	Lower Boundaries (LB)	Less than Cumulative Frequency ( <cf)