

**Statistics - Central Tendency, Box-and-Whisker  
SOL A.17**

Name \_\_\_\_\_

1. Write down the names and heights of the students in your class.

Name	Height	Name	Height	Name	Height

2. Explain how you can determine the following without using the measurements of the heights:
- a. Median: \_\_\_\_\_
  - b. Mode: \_\_\_\_\_
  - c. Range: \_\_\_\_\_

3. Using the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

4. Write down the top 15 total scores from the most recent LPGA tournament in the table provided.

<http://www.lpga.com/statistics/leaderboard/>

Place	Score	Place	Score	Place	Score
1		6		11	
2		7		12	
3		8		13	
4		9		14	
5		10		15	

5. Using the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

6. Write down the record high temperatures in Richmond for each day of the month of April in the table provided.

<http://www.weather.com/weather/climatology/daily/USVA0652?climoMonth=4>

Day	Temp	Day	Temp	Day	Temp	Day	Temp	Day	Temp	Day	Temp
1		6		11		16		21		26	
2		7		12		17		22		27	
3		8		13		18		23		28	
4		9		14		19		24		29	
5		10		15		20		25		30	

7. Using the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

8. Through the first ten games of the Major League baseball season, the local team scored the following number of runs:

4, 2, 7, 0, 1, 3, 5, 6, 8, 13

Using the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

9. Mr. Tyler has six cats and two dogs. Listed below are their names and ages.

**Cats**

Lacy: 13

Jerry: 11

Jasper: 7

Luke: 4

Copper: 4

Angel: 6

**Dogs**

Eissal: 9

Cuddles: 9

Using the graphing calculator, fill in the table below.

Mean		Min	
Median		Max	
Mode		Q1	
Range		Q3	

10. Create a box-and-whisker graph for problems 3, 5, 7, 8, and 9.