Dear Parents,

Attached are the notes and homework for Monday, May 4. Students can print this or  ***If you do not have a printer available, just have your student label a blank sheet of paper with the title of the homework and write the answers AND WORK to each problem on this blank sheet of paper. If you chose Option B, then you must submit this homework by Thursday, May 7, to the appropriate teacher. Homework submitted on Friday will not be accepted. This will be the only homework that needs to be turned in this week.***

***Here is the video link for the lesson:***

<https://cobbk12org-my.sharepoint.com/:v:/g/personal/john_white_cobbk12_org/EaegTcK8_c5LjoN_bKr-DjABEnnANtxdl_Ybeq-bGRpMog?e=m87roy>

***The following concept was covered:***

***Measures of Central Tendency***:

 Statistics are numerical values used to summarize and compare sets of data. The following measures of central tendency are three commonly used statistics:

1. ***Mean or Average:*** Add up all the values given and divide by how many values there are

2. ***Median*** is the middle number when the numbers are written in numerical order from least to greatest. If there are two numbers in the middle, then add up the two numbers and divide by two.

3. ***Mode***is the number or numbers that occur the most frequently. There may be one mode, no mode, or more than one mode.

Measures of central tendency tell you what the center of the data is. Other commonly used statistics are called ***measures of dispersion.*** They tell you how spread out the data are. One simple measure of dispersion is the range which is the difference between the greatest and least data values. In other words, the ***range*** can be calculated by the following: ***Biggest number - smallest number***.

***Analyzing Dot Plots***

***Center:*** is the ***middle***number. It is also known as the ***median*** so the numbers must be in order from *least to greatest.*

***Spread*** is ***range.***The formula is as follows: highest number - smallest number.

Calculator Instructions:

***HIT THE DATA BUTTON AND THE FOLLOWING APPEARS:  L1 (1)=***

***This is where you should type in the first number of the data given and then hit enter. Continue to enter each value hitting enter after each number. Once all the data has been entered, then hit: 2ND DATA AND CHOOSE OPTION 2 WHICH IS 1-VAR STATS. MAKE SURE ON THE DATA ROW THAT L1 IS HIGHLIGHTED AND HIT ENTER; ON THE FRQ ROW, MAKE SURE  ONE IS HIGHLIGTED AND PRESS ENTER. ONCE CALC IS HIGLIGHTED, PRESS ENTER. THERE WILL BE 9 ITEMS LISTED:***

***N= SHOULD BE THE NUMBER OF ITEMS IN THE DATA GIVEN***

**x̄** which is read as“x-bar”: will be the mean or average

minx = will be the minimum value of the data (lowest number of the data set)

Q1= will be the median of the lower half of the data

Med= will be the median of the data (middle number of the data set when all numbers are in order from least to greatest)

Q3 = will be the median of the upper half of the data

Max X= will be the maximum value of the data (highest number of the data set)

Please do not hesitate to email us with questions or concerns.

 Have a blessed evening!

Thanks,

Mrs. Crawford

Sprayberry High School

Special Education Teacher