

MEDIAN - the number that is in the middle of a data set (list of numbers) that are listed from <u>smallest to largest</u>.

ex 2) -7, -14, 20, 0, 12, -14, 21, 22
$$-14, -14, -7, 0, 12, 20, 21, 22$$

$$\frac{0+12}{2} = \frac{0}{2}$$

MODE - the number that appears the most amount of times in a data set. (Mode, Bimodal, Trimodal)

RANGE - the difference between the highest and lowest number in a set of data. $n_0 \approx \chi - m \ln n$

QUARTILES - when data can be split up into four different sections. (Think about quarters)

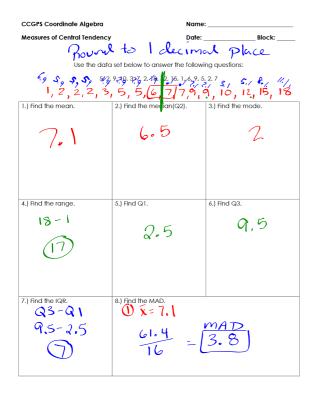
- 1. Start by finding the MEDIAN (Q2).
- 2. Find the MEDIAN (Q1)of the first half of data.
- 3. Find the MEDIAN (Q3) of the second half of data.

INTERQUARTILE RANGE (IQR) - the difference between Q3 and

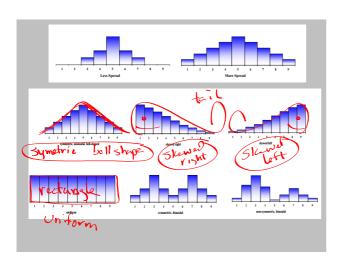
MEAN ABSOLUTE DEVIATION (MAD) - how far a number is on average from the mean.

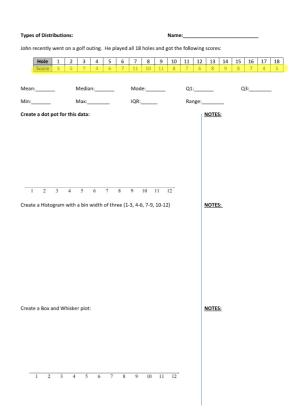
ex 1) 12, 15, 17, 18, 18, 19, 27

(1) $\overline{X} = 16$ (2) $\overline{X} = 16$ (3) Find rew \overline{X}



CALCULATOR





DOT PLOT

The following dot plot represents the frequency of people that yawn during their first period class.



- 1. How many people only yawn 1 time during 1st period?
- 2. What is the mode of the data?
- 3. What is the maximum amount of times this group of people yawns in $\mathbf{1}^{st}$ period?
- 4. How many people yawn at least 6 times?

HISTOGRAM

Example: Use the histogram to answer the following questions about how long it takes students to get ready.

Time to Get Ready

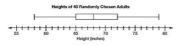
a. How many students answered the question?

b. How many students take less than 40 minutes to get ready?

c. Based on the into given, could you redraw the current histogram with intervals half their current size? Why or why not?



BOX AND WHISKER PLOT

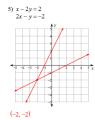


- A. What is the height range of the middle 50 percent of the surveyed adults?
- B. How many of the surveyed adu are exactly 68 inches tall?
- C. What percent of the surveyed adults are 72 inches or shorter?
- D. What is the height of the fallest adult surveyed?

Algebra 1 EOC Review Graphing Sketch the following graphs:

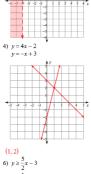
1) 7x - 5y = -25





Name______ ID:

______ Period______





EOC Review

Syllabus - Math I A.doc