Algebra 1   Name:_____
HW #4 Statistics Worksheet

1) The scores shown below were received by three math teams on a standardized examination. Each coach reported a team "average" of 93.

Team 1:   90, 91, 92, 93, 99
Team 2:   92, 93,80,93,81
Team 3:   60,80,93,95,100

State which measure of central tendency was used by each coach.

Which of the 3 math teams do you think did consistently better on the exam? EXPLAIN. (Find the MAD for each data set as support for your answer)
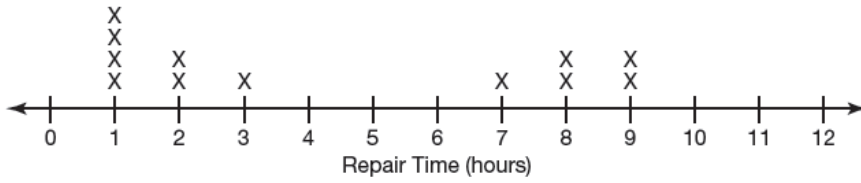
2) The following data represent the duration (in days) of U.S. Space Shuttle voyages for the years 1992-1994. Find the mean, median, mode, range, first quartile, third quartile, IQR, and MAD. Determine if the data set contains outliers.

        8, 9, 9, 14, 8, 8, 10, 3, 6, 9, 7, 8, 10, 17, 11, 8, 14, 11

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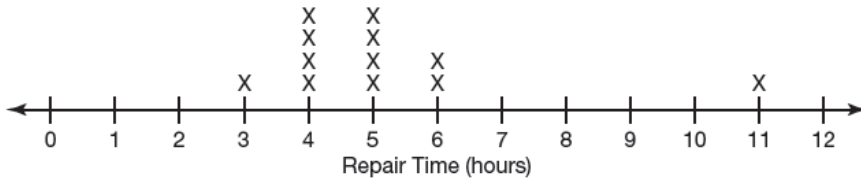
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3) Dannette and Alphonso work for a computer repair company. They must include the time it takes to complete each repair in their repair log book. The dot plots below show the number of hours each of their last 12 repairs took.

Dannette's Repair Times

Repair Time (hours)

a. Determine the MAD for each data set. What does that mean for Dannette's and Alphonso's repair times?

Alphonso's Repair Times

Repair Time (hours)

b. Alphonso argues that his average repair time does not accurately reflect how fast he is. Does he have any outliers in his data that would support his case?

4. For the following side-by-side stem and leaf plot, determine the MAD for each data set. Which data set is more spread out?

Data Set 1		Data Set 2
9 9 9 8 8 8	3	7 9
8 6 5 2	4	0 3 4 5 8
5 1	5	2 5 5 6 6
0	6	1 2

Key: 4|0 = 40