Name: _____

Measures of Center and Variability

Measures of center summarize all data points with a single number. Measures of variability summarize how much data points vary from one another with a single number.

Write **C** (center) or **V** (variability) to identify each statistical measure.

_____ range   _____ MAD   _____ mean
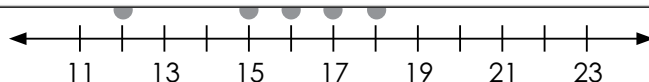   mean absolute deviation

_____ mode   _____ IQR   _____ median
                                  interquartile range

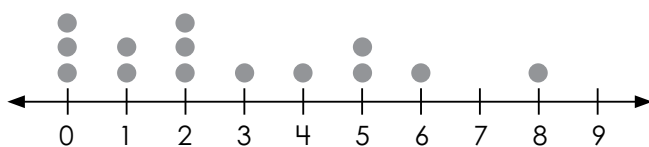Calculate the requested statistical measure for each data set.

1. Find the IQR.   **2.** Find the median.

11   13   15   17   19   21   23

MAD: _____   **mean:** _____

5. Find the mode.   **6.** Find the range.

0   1   2   3   4   5   6   7   8   9

stem	leaf	key: $2	2 = 22$
0	8 9 9	
1	0 0 1 2 3 3 8	
2	0	

mode: _____   **range:** _____

7. Find the mean.   **8.** Find the range.

stem	leaf	key: $5	4 = 54$
3	0	
4	3 4 8 8	
5	1	

63, 73, 65, 79, 53, 78, 59

mean: _____   **range:** _____

Measures of Center and Variability

Measures of center summarize all data points with a single number. Measures of variability summarize how much data points vary from one another with a single number.

Write **C** (center) or **V** (variability) to identify each statistical measure.

_____**V**___ range   _____**V**___ MAD   _____**C**___ mean
                                     mean absolute deviation

3	0
4	3 4 8 8
5	1

63, 73, 65, 79, 53, 78, 59

mean: ____**44**____   **range:** ____**26**____

TL