

WHO IS THE BEST?

You are going to use data analysis to determine "who is the Best" basketball player. Below are the points scored by 3 different players during the season. Your goal is to help the coach determine who should be designated most valuable player this year.

Be prepared to convince your teacher and classmates during a class discussion of one of the following arguments:

- That one of the players is the best
- That two of the players are the best
- That all the players are equally good

Make sure to use the data to support your conclusion

Game	Player A	Player B	Player C
1	12	18	24
2	13	21	14
3	12	15	14
4	14	13	22
5	11	16	25
6	20	18	16
7	16	18	11

You will Calculate the measures of center, measures of spread and create a stacked box-plot to further analyze the players' contribution this year.

Show ALL work.

Show Mean Absolute Deviation Calculation as well as stacked box-plot on the back.

- Put Players points in order

Player A:

Player B:

Player C:

Complete the following two tables

		Player A	Player B	Player C
Measures of Center	Mean			
	Median			
	Mode			
Measures of Spread	Range			
	IQR			
	MAD			

RANK BY...

	HIGH SCORE	MEAN	MEDIAN	MODE	RANGE	IQR	MAD
1 ST	C, 25						
2 ND	B, 21						
3 RD	A, 20						

Calculating the MAD

Player 1

Average:

Points	Difference	Absolute Value

Sum: ____ MAD = ____

Player 2

Average:

Points	Difference	Absolute Value

Sum: ____ MAD = ____

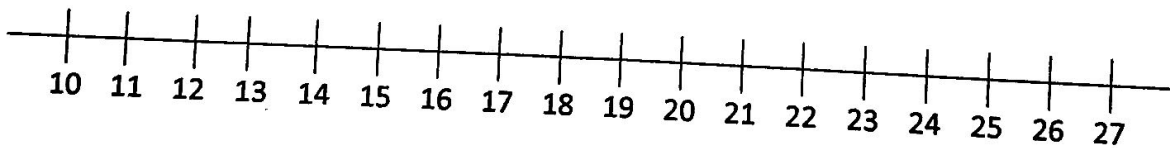
Player 3

Average:

Points	Difference	Absolute Value

Sum: ____ MAD = ____

Stacked Box-Plots --- Using the 5 number summary carefully create a box and whisker for each player. Make sure you label each player's Box-Plot, so that you can easily compare the three players.



- *Using the data analysis make statements comparing the players; you must make a statement about your player using each part of your data-analysis.*

Box-plot Statement:

Measure of Center Statement:

Measure of Spread Statement: