

1. Consider the two line plots below that show the number of points per game scored by Matt and Brock during a basketball season. Complete a - h.



- What were the most points Matt scored in a game? _____
 - What were the most points Brock scored in a game? _____
 - What was the least amount of points Matt scored in a game? _____
 - What was the least amount of points Brock scored in a game? _____
 - Calculate the range of points scored by Matt during the season. _____
 - Calculate the range of points scored by Brock during the season. _____
 - If you were the coach, which player would you put on your starting line-up and why? _____
- h) Find the measures of center for each data set. Which measures of center best represent each set of data?

Matt

Mean: _____

Median: _____

Mode: _____

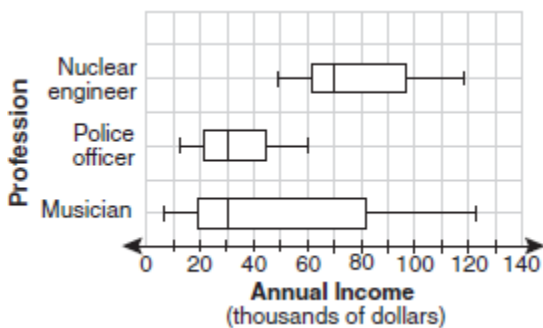
Brock

Mean: _____

Median: _____

Mode: _____

2. *Multiple Choice:* The accompanying box-and-whisker plots can be used to compare the annual incomes of three professions. Based on the box-and-whisker plots, which statement is true?



- The median income for nuclear engineers is greater than the income of all musicians.
- All nuclear engineers earn more than all police officers.
- The median income for police officers and musicians is the same.
- A musician will eventually earn more than a police officer.

3. The following data represents the heights of 14 students in inches.

52, 55, 57, 54, 56, 50, 56, 53, 57, 65, 53, 56, 54, 58

- a) Create a box and whisker plot



- b) What is the interquartile range of the set of data (IQR)?

- c) What percentage of students scored between a 53 and 57?