

Q#1 : Mr. Fine collected information about the number of likes each post to his Twitter page received. The number of likes are shown in the table below:

1 2 3 4 4 5 5 5 5 6 6 7 10 39 376

Which measure of center should Mr. Fine use to best describe the data?

Use the drop down menu to complete the sentence:

Mr. Fine should use the  since it is not affected by .

- a.
- 375
  - 188.5
  - 6
  - 5
  - 3
  - 2

- b.
- median
  - mode
  - mean

- c.
- the minimum value
  - the maximum value
  - outliers

Q#2: Riley took 5 tests in science.

- Each test had a different score.
- The mean score of the tests was 90%.
- The median score of the tests was 85%.

Based on this information, select the **two** statements that must be true.

- A There were no scores less than 90%
- B There were no scores less than 85%
- C At least one score was exactly 90%
- D At least one score was exactly 85%
- E More than half of the scores were 85% or greater.
- F More than half of the scores were 90% or greater.

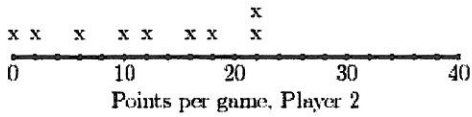
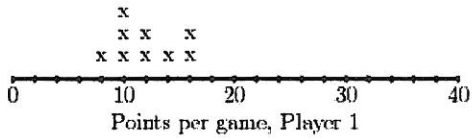
Q#3 Clarence has the following data:

$a$  4 5 16 18

If the mean of the data is 11, what is the value of  $a$ ?

- A 2
- B 6
- C 8
- D 12

**Q#4** A basketball scout for Hoopla University collected data for two players:



Use the drop down menus to complete each statement based on these data:

Player 1's *mean* number of points per game is  Player 2's *mean* number of points per game.

Player 1's *median* number of points per game is  Player 2's *median* number of points per game.

Player 1's *range* of number of points per game is  Player 2's *range* of number of points per game.

Player 2 has  variability in points per game compared to Player 1.

- a.  greater than  
 less than  
 equal to

- b.  greater than  
 less than  
 equal to

- c.  greater than  
 less than  
 equal to

- d.  more  
 less  
 equal

**Q#5** Erica has the following data, but is missing one of the values.

7 13 5 2 *v*

If the mode is 13, what must the value of *v* be?

*v* =

**Q#6** Agatha had enough ground beef to make 5 hamburger patties which have a mean mass of 115 grams. This was her first time making hamburger patties on her own, though, so she wasn't able to make them all the same size. The masses of the first 4 patties are shown below.

110 g, 120 g, 110 g, 100 g

Will Agatha's fifth patty be more or lesser than 115 grams?

- A** More than 115 g
- B** Lesser than 115 g