Name _____   Date _____

Comparing Two Data Sets - Guided Lesson Explanation

Explanation#1

The correct answer is (A).

College: median = 2   mean = 2   High School: median = 3   mean = 3.3

I. Is true. Straight from observing the chart.

II. Not true. The medians differ.

III. Not true.

The answer is therefore A.

Explanation#2

The answer is no. If anything, home 2 was heavier. When we look at these values:

Home 1: Standard Deviation = 21.1, Mean = 57.8, Median = 52.5

Home 2: Standard Deviation = 13.3, Mean = 73.93, Median = 77.5

Home 2 is almost 16 units greater on average and the group is more closely distributed with a smaller standard deviation.

Explanation#3

Class A: mean = 2   median =2   Class B: mean = 2.5   median - 2

I. Is true. Straight from observing the chart.

II. Not true. The medians are the same.

III. Not true. Class A has the same mean and median.

The answer is therefore A.