

Mean vs. Median

1. Six UMass undergrads had the following annual salaries: \$10,000, \$4,000, \$2,000, \$6,000, \$100,000, \$4,000. Calculate the:

(a) mean

(b) median

(c) Explain why is there such a big difference in size between the mean and the median?

2. Two additional students' salaries lowered the mean to \$17,500. One of them was \$4000, what was the other?

3. . A five person team of candle-pin bowlers rolled two games each. The following are scores for individual games they rolled: 99, 122, 93, 140, 88, 132, 121, 155, 143, and 93.

a) What is the mean score for a single game?

b) What is the median score for a single game?

c) A sixth player came late and rolled two (2) games. This raised the team average (mean) to 122. If her first score was 141, what was her second score?