1. Determine the median of these quiz percentages. Explain how you calculate this.

2. Would you expect the mean of the quiz percentages to be greater or less than the median? Explain briefly. (Do not bother to calculate the mean.)

3. Suppose that Mary records the ages of people entering the McDonald’s Restaurant in Madonna Plaza tomorrow, while Abby records the ages of people entering The Avenue on-campus tomorrow. Who would you expect to have the higher standard deviation of these ages: Mary (McDonald’s) or Abby (Avenue)? Explain your answer.

4. Suppose that you earn 5 points on every single quiz that you take in this class. What would be the value of the SD of your quiz scores?

5. Produce a hypothetical example of 5 exam scores (between 0 and 100) with the property that the mean is at least 10 points greater than the median. Report the values of the mean and median for the example.