1. The distribution of the amount of money given to charity by a random sample of adults would probably be:
   a. Skewed positively
   b. Skewed negatively
   c. Normal
   d. Rectangular

2. Adding a constant to each score in a set of scores will **not** change the
   a. mean.
   b. median.
   c. mode.
   d. standard deviation.

3. A z-score of +.10, will have the greatest percentile rank in which of these distributions?
   a. Normal
   b. positively skewed
   c. negatively skewed
   d. rectangular
   e. No single best answer

4. In a group of 150 scores, only 50 obtained scores above 80% on the final exam. The median is
   a. above 80%.
   b. approximately 80%.
   c. below 80%.
   d. 80% of 150, i.e., 120.

5. Mary's percentile rank on a math exam was 80 while Sue's percentile rank was 40 on the same exam. We may say, therefore, that
   a. Mary correctly answered twice as many as items as Sue did.
   b. Mary's math achievement is double that of Sue's.
   c. Sue scored as well as or better than 40 members of the group.
   d. None of these.
Open Book Example

1. DeCasper and Spence (1986) assigned expectant mothers to read one of two stories every night during the last trimester of their pregnancy. After the birth of their child, mothers read that story (old story) and a different story (new story) into a tape recorder. The tapes were then played on stereo headphones one story to each ear to their newborns. Newborns could control which side played (i.e., which story they heard) by modifying their sucking rate on a pacifier. They results showed that infants listened to the old story for an average of 3.2 minutes and the old story for an average of 2.8 minutes. The data analyses revealed: t(26) = 3.68

A. Identify the independent variable and level of measurement

B. Identify the dependent variable and level of measurement

C. Is the study a within or between group study? Is it correlational or experimental?

D. What is the critical value (with DF) for this test

E. What conclusion can you reach about given the data analysis above.