

EPRS853
Sample Items for Exam 1

1. The height of children from K-12 grades is on
 - a. a nominal scale.
 - b. an ordinal scale.
 - c. an interval scale.
 - d. a ratio scale.

2. Given 3 numbers of X, 4,5, and 0, $\sum(X - \bar{X})^2 =$
 - a. 0
 - b. 9
 - c. 14
 - d. 81

3. In a given distribution, the 25th percentile is 60, the 50th percentile is 70, and the 75th percentile is 90. The distribution is probably
 - a. symmetrical.
 - b. skewed positively.
 - c. skewed negatively.
 - d. bimodal.

4. A set of scores has a mean 20. If 4 points were added to each scores, the new mean would be
 - a. 20.
 - b. 24.
 - c. 28.
 - d. unknown, unless raw score data are provided.

5. In a normal distribution of 3000 scores of AGCT test of aptitude has a mean of 100, a standard deviation of 20. How many scores fall above 120?
 - a. About 160.
 - b. About 480.
 - c. About 1020.
 - d. About 2520.