

Additional Practice

Investigation 2

Data Distributions

1. Sandra's scores on the first 4 tests were 87, 92, 76, and 89.
 - a. What is the minimum score Sandra needs to make on the fifth test so that her mean test score is at least 85? Explain.

 - b. What is the minimum score Sandra needs to make on the fifth test so that her mean test score is at least 80? Explain.

 - c. Can Sandra score well enough so that her mean score is 90 or above? Explain.

 - d. If Sandra scores 100 on the fifth test, what is her median test score?

 - e. If Sandra scores 0 on the fifth test, what is her median test score?

 - f. What score or scores on the fifth test will give Sandra a median test score of 88? 87? 89?