Name: _____

Date Started:_____   Date Finished:_____   Score:_____

Learning Activity Sheet
Analyzing, Interpreting, and Making Valid Generalizations
from Statistical Data

Directions: Consider the given statistical data and determine which measure is being described in each situation. Make the necessary interpretations. Use a separate sheet of paper if necessary.

A. A shoe manufacturer claims that the average size of shoes sold is 7 inches for ladies and 11 inches for men. Which statistical measure could he be referring to: mean, median, or mode? Why?

Measure	Section A	Section B	Section C
Mean	42.5	41.65	44.9
Standard Deviation	3.7	3.15	2.9

B. A teacher is comparing the pretest performance of three sections in terms of mean and standard deviation of students' scores in a Math test.

    a) Which section performed the best during the year?

       _____

    b) What statistical measure/s did you use as basis for answering item a? Explain why.

       _____

       _____

       _____

    c) In which section are the scores more varied?

       _____

    d) What statistical measure/s did you use as basis for answering item c? Explain why.

       _____

       _____

       _____

    e) What valid generalizations can be made?

       _____

       _____

       _____

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