NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_ PERIOD\_\_\_\_\_\_\_

**Family Letter**



**Vocabulary**

**average** The sum of two or more quantities divided by the number of quantities; the mean.

**first quartile** For a data set with median M, the first quartile is the median of the data values less than M.

**interquartile range** A measure of variation in a set of numerical data, the interquartile range is the distance between the first and third quartiles of the data set.

**mean** The sum of the numbers in a set of data divided by the number of pieces of data.

**mean absolute deviation** A measure of variation in a set of numerical data, computed by adding the distances between each data value and the mean, then dividing by the number of data values.

**measures of center** Numbers that are used to describe the center of a set of data. These measures include the mean, median, and mode.

**measures of variation** A measure used to describe the distribution of data.

**median** A measure of center in a set of numerical data. The median of a list of values is the value appearing at the center of a sorted version of the list—or the mean of the two central values, if the list contains an even number of values.

**mode** The number(s) or item(s) that appear most often in a set of data.

**outlier** A value that is much higher or much lower than the other values in a set of data.

**range** The difference between the greatest number and the least number in a set of data.

**third quartile** For a data set with median M, the third quartile is the median of the data values greater than M.

**Dear Parent or Guardian:**

Today we began Chapter 11 Statistical Measures. In this chapter, your student will learn how to analyze data, using mean, median, and mode. We will also be learning how to describe how data are distributed. Included in this letter are key vocabulary words and activities you can do with your student. If you have any questions or comments, feel free to contact me at school.

Sincerely,

**Course 1 · Chapter 11** Statistical Measures

Dallas 42°F

Boston

California

New York

Washington

36°F

45°F

45°F

60°F

50°F

75°F

56°F

83°F

**WEATHER REPORT**

Analyze your stem-and-leaf plot and write a sentence describing the information you found.

•

Create a stem-and-leaf plot to show how often each temperature is listed.

•

Find the high temperature for

several cities.

•

Look at the weather section of

a newspaper.

•

**Real-World Activity**

Share your graph with your family.

•

Create a double-bar graph to compare the

favorite choices of the adults to the favorite choices of the children.

•

Survey your family to see which

destination each person would most like to visit.

•

Make a list of four travel destinations in

your state.

•

**Hands-On Activity**









































































































































32°F

**Course 1** • **Chapter 11** Statistical Measures

NAME

**At-Home Activities**

PERIOD

DATE