

# Data Analysis

Name \_\_\_\_\_

City and state: \_\_\_\_\_

*Directions: Use your weather report chart to calculate the **mean, mode, median** and **range** of your temperature (in Fahrenheit) data for your city. Show your work on the back of this worksheet.*

**Mean:** The average of a set of numbers. Add all the numbers, and then divide the sum by the number of addends.

*Example:* For the set 21, 45, 34, 40, 35, first add  $21+45+34+40+35=175$ , and then divide by five.  $175 \div 5 = 35$ . The mean is 35.

**Mode:** The number or numbers that occur the most often in a set of data.

*Example:* For the set 12, 34, 23, 12, 16, 17, 20, the mode is 12. There can be more than one mode for a set of data.

**Median:** The middle number in a set of data that are arranged in order.

*Example:* For the set 12, 34, 23, 12, 16, 17, 20, arrange the numbers in order from least to greatest 12, 12, 16, 17, 20, 23, 34. The number 17 is the median.

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

*Example:* For the set 2, 2, 3, 5, 7, 7, 8, 9 The range is  $9-2=7$ .

The mean temperature in degrees Fahrenheit for \_\_\_\_\_

between \_\_\_\_\_ and \_\_\_\_\_ was

\_\_\_\_\_.

The range was \_\_\_\_\_.

The mode was \_\_\_\_\_.

The median was \_\_\_\_\_.