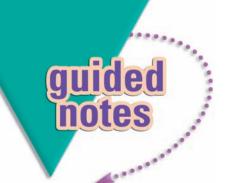
### NAME

# Module 19Analyzing Data and StatisticsLesson 1Finding Mean, Median, and Mode

## Lesson Objectives

- Find the mean, median, and mode of a set.
- Create a stem-and-leaf plot.
- Analyze a stem-and-leaf plot.



The mean is the average of a set of values. That is, it is the sum

of the values divided by the number of values.

The median is the **middle value** when the values are arranged in

order.

The mode is the value that occurs **most often** 

In a stem-and-leaf plot, every digit except the last digit is arranged vertically

in ascending order (top to bottom).

If there is an <u>odd</u> number of values, the median is the

middle value after all the values have been arranged in order.

If there is an even number of values, find the

average of the two middle values after all the values have been

arranged in order.

In a data set, it is possible to have <u>no</u> mode,

one mode, or more than one mode.

## Use the following data set for Problems 1 through 3.

Neighbors' Pets 1, 8, 2, 5, 4

Find the mean. 4 pets (1 Find the median. 4 pets 2 Find the mode. <u>no mode</u> 3)

### Use the following data set for Problem 4.

Newt's Times (in minutes) to Complete Obstacle Course 31, 22, 15, 19, 17, 19, 20



4 Make a stem-and-leaf plot.

1 | 5 7 9 9 2 0 2 3 1 1|7 = 17