

NAME \_\_\_\_\_

**Module 19** Analyzing Data and Statistics  
**Lesson 1** Finding Mean, Median, and Mode

**guided  
notes**

**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 **odd** \_\_\_\_\_ 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 **no** \_\_\_\_\_ 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

- 1 Find the mean. **4 pets** \_\_\_\_\_
- 2 Find the median. **4 pets** \_\_\_\_\_
- 3 Find the mode. **no mode** \_\_\_\_\_

Use the following data set for Problem 4.

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



Make a stem-and-leaf plot.

1	5 7 9 9
2	0 2
3	1

1|7 = 17