Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**One Variable Statistics**

**Measures of Center and Shapes of Distribution**

**Independent Practice**

*Find the mean, median, mode, and range.*

**1.** 31, 55, 88, 9, 30, 73, 12, 67, 88, 74

**2.** 35, 21, 20, 83, 66, 35, 20

**3.** 27.8, 27.3, 12.7, 49.8, 27.8, 311.9, 37.0, 311.9

*Would you use mean, median, or mode for each situation? Explain.*

4. Kevin noticed that half of the cereal brands in the store cost more than $3.33.

5. The average score on the last Pre-Algebra test was 85.

6. The most common height on the basketball team is 6 ft 11 in.

7. The most common price of a certain type of car is $25,000.

8. One-half of the cars at a dealership cost less than $33,000.

9. The average amount spent per customer in a department store is $58.00.

1. Below are two dot plots on students’ moods during recess inside and outside. There mood was recorded on a score of 0-10, 0 being depressed and 10 being excited.

|  |  |
| --- | --- |
| Outdoor Group | Indoor Group |
|  |  |

*Part A:* The distribution of the data for the outdoor group is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

*Part B:* The distribution of the data for the indoor group is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

*Part C:* Describe the difference between the moods of the two groups by comparing their center rand shapes for their groups.