Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_ A

**Learning Target:** I can describe a data set from the measures of center.

**CW: Analyzing Data using Measures of Center Independent Practice**

Eleven people were asked how many miles they lived from work.

The responses were 15, 7, 14, 21, 5, 8, 10, 15, 17, 7 and 13.

A. Order the miles they live from work from least to greatest

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Find the median of the miles they lived from work

Median:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C. Find the mode of the miles they lived from work

Mode:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Compare the median and the mode of the responses. Which is greater?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D. Find the mean of the distances

**Show your work:**

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_

E. Overall, which measure best describes the distance that people live from work?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Readiness**   * Arrived to class on time * Actively worked on the do now * Completed the do now | **Positive Contribution**   * Followed along with class examples * Copied all notes | **Understanding**   * Attempted all of the practice problem questions * Accurately answered the practice problems * Supported the answer using complete sentences |
| /10 | /30 | /60 |

Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_ B

**Learning Target:** I can describe a data set from the measures of center.

**CW: Analyzing Data using Measures of Center Independent Practice**

These are Nina’s list of Mastery Quiz scores for the Algebra Unit

|  |  |
| --- | --- |
| Mastery Quiz # 1 | 77 |
| Mastery Quiz # 2 | 77 |
| Mastery Quiz # 3 | 90 |
| Mastery Quiz # 4 | 88 |
| Mastery Quiz # 5 | 85 |
| Mastery Quiz # 6 | 93 |

A. Order the Mastery Quizzes for the Algebra Unit from least to greatest

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Find the median of the Mastery Quizzes of the Algebra Unit

Median:\_\_\_\_\_\_\_\_\_\_\_\_\_

C. Find the mode of the Mastery Quizzes of the Algebra Unit

Mode:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Compare the median and the mode of the test scores:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D. Find the mean of the Mastery Quizzes of the Algebra Unit

**Show your work:**

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_

E. Overall, how did Nina do on her mastery quizzes?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Readiness**   * Arrived to class on time * Actively worked on the do now * Completed the do now | **Positive Contribution**   * Followed along with class examples * Copied all notes | **Understanding**   * Attempted all of the practice problem questions * Accurately answered the practice problems * Supported the answer using complete sentences |
| /10 | /30 | /60 |

Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_ C

**Learning Target:** I can describe a data set from the measures of center.

**CW: Analyzing Data using Measures of Center Independent Practice**

These are the number of minutes that Mikey spent playing basketball each day.

|  |  |
| --- | --- |
| Monday | 40 |
| Tuesday | 35 |
| Wednesday | 25 |
| Thursday | 55 |
| Friday | 60 |
| Saturday | 40 |

A. Order the data from least to greatest

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. Find the median:

Median:\_\_\_\_\_\_\_\_\_\_\_\_\_

C. Find the mode:

Mode:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D. Find the mean:

Mean:\_\_\_\_\_\_\_\_\_\_\_\_\_

Which measure of center best describes the data? Why?:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E. If by Sunday, the average (mean) number of minutes Mikey spent playing basketball was 45 minutes, how many minutes did he play basketball for on Sunday?

**Show your work:**

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Readiness**   * Arrived to class on time * Actively worked on the do now * Completed the do now | **Positive Contribution**   * Followed along with class examples * Copied all notes | **Understanding**   * Attempted all of the practice problem questions * Accurately answered the practice problems * Supported the answer using complete sentences |
| /10 | /30 | /60 |

Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_