

Reflect

4. **Communicate Mathematical Ideas** Luka's final exam scores for this semester are 70, 72, 99, 72, and 69. Find the mean and median. Which is a better description of Luka's typical exam score? Explain your thinking.

Guided Practice

HW# 58 1-11

1. Spencer surveyed five of his friends to find out how many pets they have. His results are shown in the table. What is the mean number of pets? (Explore Activity 1)

Number of Pets				
Lara	Gody	Sam	Ella	Maria
3	5	2	4	1

$$\text{Mean} = \frac{\text{sum of data values}}{\text{number of data values}} = \frac{\square}{\square} = \square$$

The mean number of pets is _____

2. The following are the weights, in pounds, of some dogs at a kennel: 36, 45, 29, 39, 51, 49. (Example 1)
- Find the median. _____
 - Suppose one of the weights were given in kilograms. Can you still find the median? Explain.

3. a. Find the mean and the median of this data set: 9, 6, 5, 3, 28, 6, 4, 7. (Explore Activity 2)


- b. Which better describes the data set, the mean or the median? Explain.

ESSENTIAL QUESTION

4. How can you use measures of center to describe a data set?

16.1 Independent Practice

CA CC 6.SP.3, 6.SP.5, 6.SP.5a, 6.SP.5b, 6.SP.5c, 6.SP.5d



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Several students in Ashton's class were randomly selected and asked how many text messages they sent yesterday. Their answers were 1, 0, 10, 7, 13, 2, 9, 15, 0, 3.

5. How many students were asked? How do you know?

6. Find the mean and the median for these data.

Mean = _____ Median = _____

The points scored by a basketball team in its last 6 games are shown. Use these data for 7 and 8.

Points Scored					
73	77	85	84	37	115

7. Find the mean score and the median score.

Mean = _____ Median = _____

8. Which measure better describes the typical number of points scored? Explain.

Some people were asked how long it takes them to commute to work. Use the data for 9–11.

9. What units are used for the data? What should you do before finding the mean and median number of minutes?

16 min	5 min
7 min	8 min
14 min	12 min
0.5 hr	1 hr

10. Find the mean and median number of minutes.

Mean = _____ Median = _____

11. Which measure do you think is more typical of the data?
