

Name: _____



PRACTICE



TUTORIAL

Practice & Problem Solving



Scan for
Multimedia

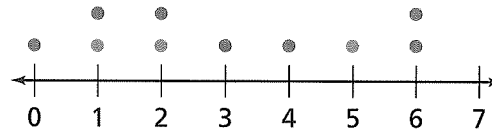


- 8. Leveled Practice** The mean of the data set is 3. Find the absolute deviation of each of the green values.

a. The absolute deviation of 1 is .

b. The absolute deviation of 2 is .

c. The absolute deviation of 5 is .



In 9 and 10, use the data table showing the number of miles that Jill biked on 9 days.

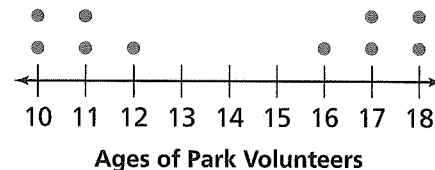
9. Find the mean.

Miles Biked		
5	9	11
10	8	6
7	12	4

10. Find the MAD of this data set. What does this tell you about the number of miles that Jill biked?

In 11 and 12, use the data shown in the dot plot.

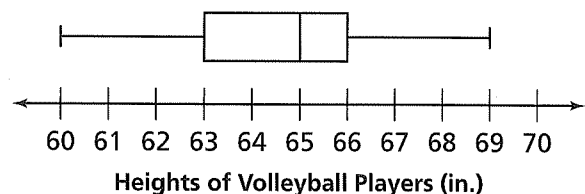
11. What are the mean and the MAD?



12. Describe the variability of the data.

In 13 and 14, use the data shown in the box plot.

13. What are the range and the IQR?



14. Describe the variability of the data.



15. The data set shows prices for concert tickets in 10 major cities.

City	Price (\$)	City	Price (\$)
Q	45	V	36
R	50	W	24
S	35	X	25
T	37	Y	27
U	29	Z	43

- a. Find the IQR of the data set.
- b. How do prices vary within the middle 50%?

16. **Reasoning** The MAD of the data set in the table is about 6.7. Does the value 4 deviate more or less than most of the values in the table? Explain.

4	28	25
19	7	13
16	22	10

In 17–19, use the data set shown in the table.

17. **Vocabulary** What is the term used to describe the range of the middle half of the data set? Find that value for this data.

Temperatures (°F)			
11	17	20	16
19	16	15	22

18. **Critique Reasoning** Dina said that the greatest absolute deviation will be found from the highest temperature because it has to be the farthest from the mean. Is she correct? Explain.

19. **Higher Order Thinking** What is the MAD for the data and what does it tell you about the temperatures?

Assessment Practice

20. Harlo recorded the tide, in feet, every hour during an 8-hour period as shown in the table.

Tide (ft)
3, 7, 11, 15, 20, 31, 39, 42

PART A

What is the MAD for the data set? Show your work.

PART B

Is the IQR greater or less than the MAD? What does this tell you about the variability of the data?

