

# 9.5

## Mean Absolute Deviation (MAD)

Name \_\_\_\_\_ Period \_\_\_\_\_

Find and interpret the mean absolute deviation of the data. Round your answer to the nearest tenth, if necessary.

1.

Price of Textbooks (dollars)				
78	99	90	80	55
56	102	88	60	42

mean absolute deviation

A. Calculate the **mean**.

B. Calculate the **deviation** of each element in the set.

--	--	--	--	--	--	--	--

C. Calculate the mean of the **absolute** deviations.

2.

Numbers of Songs on an Album				
10	13	7	12	9
8	12	10	11	13

mean absolute deviation

A. Calculate the **mean**.

B. Calculate the **deviation** of each element in the set.

--	--	--	--	--	--	--	--

C. Calculate the mean of the **absolute** deviations.

3.

Height of Plants (inches)				
1	7	10	5	3
3	6	12	9	4

mean absolute deviation

A. Calculate the **mean**.

B. Calculate the **deviation** of each element in the set.

--	--	--	--	--	--	--	--

C. Calculate the mean of the **absolute** deviations.

4.

Numbers of Applications on a Smart Phone				
30	46	25	45	18
25	15	32	40	24

mean absolute deviation

A. Calculate the **mean**.

B. Calculate the **deviation** of each element in the set.

--	--	--	--	--	--	--	--

C. Calculate the mean of the **absolute** deviations.

5. The data set shows the admission prices at several amusement parks.

\$16, \$25, \$12, \$20, \$10, \$25

Find and interpret the range and the interquartile range (IQR).