NAME _____ DATE _____ PERIOD _____

Lesson 4 Problem-Solving Practice

Mean Absolute Deviation

1. CLUB MEMBERSHIP The table shows the number of members in Spanish club for the last six years. Find the mean absolute deviation. Round to the nearest hundredth if necessary. Then describe what the mean absolute deviation represents.

Spanish Club Members		
61	42	52
27	35	21

2. AMUSEMENT PARKS The table shows the one-day ticket price for admission to eight popular theme parks. Find the mean absolute deviation. Round to the nearest hundredth if necessary. Then describe what the mean absolute deviation represents.

Admission Price ($)			
80	60	76	53
42	36	38	85

AGES For Exercises 3–6, refer to the table that shows the ages of students in evening art classes at the community center.

Ages of Students							
Pottery	18	24	37	42	51	22	30
Painting	46	25	19	26	34	29	20

3. Find the mean absolute deviation for each set of data. Round to the nearest hundredth if necessary. Then write a few sentences comparing their variation.

4. How many data values from the painting class are closer than one mean absolute deviation away from the mean?

5. Which age is the farthest from the mean of the data values in the painting class?

6. How far away is the value in Exercise 5 from the mean?