

①
$$\frac{276}{12} = 23$$
 Mean

$$\frac{13 + 8 + 4 + 14 + 6 + 15 + 17 + 7 + 3 + 2 + 39}{12} = 11.33$$

(Handwritten notes: 23-13, 23-15, +8)

Chapter 9 Practice Test

Write the letter for the correct answer in the blank at the right of each question.

For Exercises 1-4, use the data in the table that shows the ages of people in a ceramics class at a community center.

Age of Class Members			
10	15	10	27
20	8	5	30
20	25	62	15

1. What is the mean absolute deviation?

- A. 23 B. 15.67 C. 11.33 D. 9.5

$\frac{29+30}{2}$ 1. C

2. Which is an outlier of the data?

- F. 6 G. 25.5 H. 62 I. no outliers

$\frac{10+5}{2}$ 2. H
 $6, 8, 10, 15, 15, 19, 20, 25, 29, 30, 37, 62$

3. What are the first and third quartiles of the data?

- A. 6, 62 B. 15, 29 C. 10, 30 D. 12.5, 29.5

3. D

4. The standard deviation of the ages of class members is 14.8. Which of the following best describes the ages that are within one standard deviation of the mean age?

- F. 4.7 - 34.3 years H. 8.2 - 37.8 years
 G. 6 - 20.8 years I. 47.2 - 62 years

4. H

