

Name \_\_\_\_\_

## Measures of Center



**COMMON CORE STANDARD—6.SP.5c**  
Summarize and describe distributions.

Use the table for 1–4.

1. What is the mean of the data?

$$\frac{10 + 8 + 11 + 12 + 6}{5} = \frac{47}{5} = 9.4$$

**9.4 points**

2. What is the median of the data?

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3. What is the mode(s) of the data?

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Number of Points Blaine Scored in Five Basketball Games	
Game	Points Scored
1	10
2	8
3	11
4	12
5	6

4. Suppose Blaine played a sixth game and scored 10 points during the game. Find the new mean, median, and mode.

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## Problem Solving



5. An auto manufacturer wants their line of cars to have a median gas mileage of 25 miles per gallon or higher. The gas mileage for their five models are 23, 25, 26, 29, and 19. Do their cars meet their goal? Explain.

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6. A sporting goods store is featuring several new bicycles, priced at \$300, \$250, \$325, \$780, and \$350. They advertise that the average price of their bicycles is under \$400. Is their ad correct? Explain.

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