

2-7**Practice: Skills*****Median, Mode, and Range***

Find the mean, median, mode, and range for each set of data.

1. 6, 9, 2, 4, 3, 6, 5

2. 13, 6, 7, 13, 6

3. 1, 15, 9, 12, 18, 9, 5, 14, 7

4. 13, 7, 17, 19, 7, 15, 11, 7

5. 3, 9, 4, 3, 9, 4, 2, 3, 8

6. 25, 18, 14, 27, 25, 14, 18, 25, 23

7. 8, 3, 9, 4, 6, 7, 5

8. 28, 32, 23, 43, 32, 27, 21, 34

9. 157, 124, 157, 124, 157, 139

10. 42, 35, 27, 42, 38, 35, 29, 24

11. Write a sentence that describes how the data items in Exercise 5 vary.

12. Why is mode not the best choice to describe the data in Exercise 5?
Explain.

MUSEUMS Use the table showing the number of visitors to the art museum each month.

Visitors to the Art Museum (thousands)

3	11	5	4
5	3	6	3
12	2	2	4

13. What is the mean of the data?

14. What is the median of the data?

15. What is the mode of the data?

16. Which measure of central tendency best describes the data? Explain.

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Practice: Word Problems

Median, Mode, and Range

SCIENCE For Exercises 1–3, use Table A. For Exercises 4–6, use Table B. Table A shows the number of days it took for some seeds to germinate after planting. Table B shows how tall the plants were after 60 days.

Table A

Number of Days for Seeds to Germinate				
15	20	30	15	16
9	21	21	15	

Table B

Height (in.) of Plants After 60 Days				
17	19	13	17	20
15	17	21	14	

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| <p>1. Refer to Table A. You are doing some experiments with germinating seeds. You are preparing a report on your findings to a seed company. What are the mean, median, and mode of the data?</p> | <p>2. Use your answer from Exercise 1. Which measure of central tendency best describes the data? Explain.</p> |
| <p>3. What is the range of the seed germination data? Describe how the data vary.</p> | <p>4. What are the mean, median, and mode of the plant height data?</p> |
| <p>5. Refer to your answer in Exercise 4. Which measure of central tendency best describes the data? Explain.</p> | <p>6. What is the range of the plant height data? Describe how the data vary.</p> |