

Name: \_\_\_\_\_



PRACTICE



TUTORIAL

## 8-2 Additional Practice

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In 1 and 2, find the mean of the data given.

1. Number of pets in six families: 3, 0, 2, 4, 2, 1

2. Number of apps on five friends' smart phones: 42, 42, 23, 75, 64

In 3–7, use the data table.

3. Order the data from least to greatest.

4. What are the median and the mode of the data?

5. How do you find the range of the data?  
What is the range of this data set?

6. **Use Structure** A newspaper wanted to summarize the data without including Alaska and Hawaii. How does this affect the median?

7. **Look for Relationships** How does deleting the data for Alaska and Hawaii affect the mode and the range?

National Parks in Western States

Alaska	23
Arizona	22
California	26
Colorado	13
Hawaii	7
Idaho	6
Montana	8
Nevada	3
New Mexico	13
Oregon	6
Utah	13
Washington	13
Wyoming	7

In 8 and 9, use the data about the weekly salaries of employees at two small companies.

Company A: \$500, \$510, \$530, \$510, \$550

Company B: \$450, \$440, \$440, \$470, \$800

8. What is the mean weekly salary at each company?

9. **Generalize** Four of the five employees at Company B each received a raise of \$40. After the raises, how much greater is the mean of the salaries for Company B than for Company A? Explain how you solved the problem.



In 10–12, use the data listed at the right.

10. What is the median? How do you find the median of this set of data?

**Long Jump Distances at Parker Middle School Track Meet (m)**

5.46, 5.92, 2.95, 5.06, 4.1,  
5.45, 5.07, 5.06, 5.9

11. What are the mode and the range of the data?

12. **Look for Relationships** If a tenth competitor were to jump 1.01 meters, which measure would change the most: the median, the mode, or the range? Explain.

In 13–15, use the data listed at the right.

13. Some band members have raised much more money than others. Which measure can be used to show this? Explain.

**Money Each Student Has Raised for a Band Trip**

\$24.50, \$18.25, \$5.75, \$48.00, \$32.50,  
\$12.80, \$22.90, \$35.00, \$18.75, \$16.25

14. What is the mean amount raised by the students?

15. **Higher Order Thinking** How much more money do the 10 students need to raise to increase the mean to \$25.00? Explain.

 **Assessment Practice**

16. Use the data table to find the statistical measures. Draw a line to match each measure on the left to its value on the right.

mean

23

median

30

mode

39

range

40

**National Historic Landmarks in Southern States**

Alabama	37
Florida	43
Georgia	48
Kentucky	30
Louisiana	53
Mississippi	39
Tennessee	30

