

Module 19 Analyzing Data and Statistics
Lesson 1 Finding Mean, Median, and Mode


**additional
practice**

Find the mean, median, and mode of the data sets. Round answers to the nearest hundredth.

1. 4, 6, 7, 7, 7, 12, 15

8.29; 7; 7

3. 65, 89, 75, 43, 99, 100, 34, 77, 88, 89, 99, 95, 92, 80, 56, 68, 85

78.47; 85; 89 and 99

5. 8, 8, 8, 8

8; 8; 8

7. $\frac{2}{3}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{1}{4}$

$\frac{29}{60}, \frac{1}{2}, \frac{2}{3}$

9. $2\frac{3}{5}, 10\frac{1}{3}, 5\frac{3}{4}, 1\frac{4}{5}, 2\frac{3}{5}, 5\frac{3}{4}$

$4\frac{29}{36}; 4\frac{7}{40}; 2\frac{3}{5}$ and $5\frac{3}{4}$

2. 12, 52, 35, 52, 39, 12, 66, 52

40; 45.5; 52

4. 15, 18, 16, 14, 13, 10, 19, 11, 12, 17

14.5; 14.5; no mode

6. 64, 66, 68, 66, 78, 66, 79, 70, 62

68.78; 66; 66

8. 7.1, 6.6, 12.2, 5.4, 18.6, 5.8, 9.2, 6.9, 4.4, 7.3

8.35; 7; no mode

Use this set of data to answer Problems 10–13.

Frequency in percentages of the 15 most commonly found last names in the U.S.:
 1.01, 0.81, 0.70, 0.62, 0.62, 0.48, 0.42, 0.34, 0.31, 0.31, 0.31, 0.31, 0.31, 0.28, 0.28

10. Make a stem-and-leaf plot.

0.2	8 8
0.3	1 1 1 1 1 4
0.4	2 8
0.5	
0.6	2 2
0.7	0
0.8	1
0.9	
1.0	1

11. Find the mean. **0.474**

0.2|8 = 0.28

12. Find the median. **0.34**

13. Find the mode. **0.31**

Use this set of data to answer Problems 14–16.

Top advertising categories for the year 2001 (in millions of dollars): 1,676; 1,096; 1,011; 966; 817; 759; 745; 694; 693; 560; 378; 307; 304; 293; 287; 284; 279; 268; 264; 264

14. Find the mean 597.25 millions of dollars

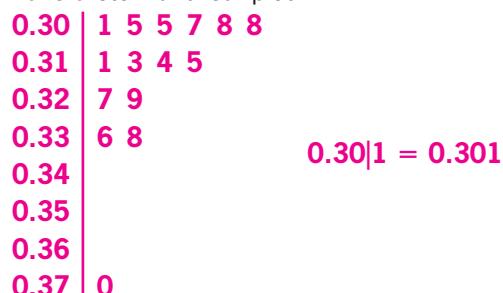
15. Find the median. 469 millions of dollars

16. Find the mode. 264 millions of dollars

Use this set of data to answer Problems 17–20. Round answers to the nearest thousandth.

Top 15 batting averages for the National League Baseball: 0.301, 0.370, 0.313, 0.305, 0.338, 0.308, 0.305, 0.336, 0.311, 0.307, 0.329, 0.308, 0.327, 0.314, 0.315

17. Make a stem-and-leaf plot.



18. Find the mean. 0.319

19. Find the median. 0.313

20. Find the mode. 0.305 and 0.308

Use this set of data to answer Problems 21–24.

Grades in Mr. Lacy's history class: 96, 85, 73, 42, 90, 90, 73, 56, 86, 90

21. Make a stem-and-leaf plot.



22. Find the mean. 78.1

23. Find the median. 85.5

24. Find the mode. 90