

12-3 Measures of Central Tendency (continued)

Find (a) the mean, (b) the median, and (c) each mode (if there is any) for each group of numbers.

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| 1. 21, 50, 35, 49, 35 | a. _____ | b. _____ | c. _____ |
| 2. 8, 16, 43, 32, 16 | a. _____ | b. _____ | c. _____ |
| 3. 37, 36, 27, 38, 38, 32, 23 | a. _____ | b. _____ | c. _____ |
| 4. 13, 8, 12, 8, 12, 8, 16 | a. _____ | b. _____ | c. _____ |
| 5. 51, 43, 42, 46, 51, 46, 50 | a. _____ | b. _____ | c. _____ |
| 6. 70, 76, 64, 46, 80, 48, 64 | a. _____ | b. _____ | c. _____ |
| 7. 2.8, 3.2, 2.1, 3.4, 4.2, 1.7 | a. _____ | b. _____ | c. _____ |
| 8. -1, -2, 21, 6 | a. _____ | b. _____ | c. _____ |
| 9. 10, 13, 12, 9, 11, 16, 17, 16, 12, 20 | a. _____ | b. _____ | c. _____ |
| 10. 80, 97, 93, 98, 100, 90, 68, 78 | a. _____ | b. _____ | c. _____ |
| 11. $\frac{1}{5}, \frac{1}{2}, \frac{1}{10}$ | a. _____ | b. _____ | c. _____ |
| 12. $\frac{1}{4}, \frac{1}{4}, \frac{1}{5}, \frac{1}{2}$ | a. _____ | b. _____ | c. _____ |
| 13. 0.96, 0.92, 0.83, 0.91, 0.83 | a. _____ | b. _____ | c. _____ |
| 14. -3, -4, -3, -4, -2 | a. _____ | b. _____ | c. _____ |
15. The mean of 5 numbers is 26. What is the sum of the numbers? _____
16. Mona needs an average bowling score of 175 to bowl in a tournament. If she has scores of 160, 165, 172, and 168 in the first four games, what does she have to bowl in the fifth game to remain eligible for the tournament? _____
17. If each employee in a business gets a \$15 per week increase in salary, how does this affect (a) the mean salary, (b) the mode, and (c) the median?
 a. _____ b. _____ c. _____
18. If each number in a set of data is doubled, how does this affect (a) the mean, (b) the mode, and (c) the median?
 a. _____ b. _____ c. _____