

Section 12.1 Extra Practice

1. In an ordered list of values, the _____ is the number that occurs most frequently and the middle number is the _____.

For #2 to #5:

- a)** Order the data from smallest to largest.
b) State the mode and median.

Example: 44, 35, 47, 41, 37, 43, 40, 37, 42, 37

- a)** 35, 37, 37, 37, 40, 41, 42, 43, 44, 47
b) mode = 37 median = 40.5

2. 13, 8, 9, 10, 8, 12, 12, 5, 8

- a)** _____
b) mode = _____ median = _____

3. 28, 7, 30, 7, 14, 31, 11, 9, 33, 9, 24, 12

- a)** _____
b) mode = _____ median = _____

4. 10, 5, 11, 8, 14, 6

- a)** _____
b) mode = _____ median = _____

5. 85, 92, 87, 92, 80, 83, 87

- a)** _____
b) mode = _____ median = _____

6. Is the mode a useful measure of central tendency in #3? YES NO Explain.

7. The following table gives the scores on a Science quiz (out of five marks).

Score	Number of Students
5	6
4	5
3	3
2	3
1	3

- a)** The most common score is _____.
 The mode of the scores is _____.
b) The total number of scores is _____.
 Half this number is _____.
 The median of the scores is _____.