

# Practice 3-3

## Mean, Median, and Mode

1. There were 8 judges at a gymnastics competition. Kathleen received these scores for her performance on the uneven parallel bars:

8.9, 8.7, 8.9, 9.2, 8.8, 8.2, 8.9, 8.8

- a. Find these statistics: mean \_\_\_\_\_ median \_\_\_\_\_ mode \_\_\_\_\_
- b. Which measure of central tendency best describes the data? Explain.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- c. Why do you think that the highest and lowest judge's scores are disregarded in tallying the total score in a gymnastics competition?

\_\_\_\_\_

\_\_\_\_\_

**Find the mean, median, and mode. Round to the nearest tenth where necessary. Identify any outliers.**

Data	Mean	Median	Mode	Outliers
2. 8, 15, 9, 7, 4, 5, 9, 11	_____	_____	_____	_____
3. 70, 61, 28, 40, 60, 72, 25, 31, 64, 63	_____	_____	_____	_____
4. 4.9, 5.7, 6.0, 5.3, 4.8, 4.9, 5.3, 4.7, 4.9, 5.6, 5.1	_____	_____	_____	_____
5. 271, 221, 234, 240, 271, 234, 213, 253, 155	_____	_____	_____	_____
6. 0, 2, 3, 3, 3, 4, 4, 5	_____	_____	_____	_____

**Use the data in the table. Round to the nearest tenth where necessary.**

7. What is the mean height of the five highest European mountains? \_\_\_\_\_
8. What is the median height? \_\_\_\_\_
9. Is any of the heights an outlier? Explain.

Peak	Height (ft)
Mont Blanc	15,771
Monte Rosa	15,203
Dom	14,911
Liskamm	14,852
Weisshorn	14,780