



Practice

4.4 Measures of Central Tendency

Find the mean, median, mode(s), and range for each data set.

1. 13, 13, 10, 8, 7, 6, 4, 5

mean _____ median _____ mode(s) _____ range _____

2. 20, 30, 35, 24, 36, 47, 48

mean _____ median _____ mode(s) _____ range _____

3. 2, 5, 4, 1, 6, 7, 4, 3, 2, 1

mean _____ median _____ mode(s) _____ range _____

4. 130, 140, 135, 125, 160, 175

mean _____ median _____ mode(s) _____ range _____

5. 16, 18, 39, 200, 31, 39

mean _____ median _____ mode(s) _____ range _____

The Sleep Shop conducted a survey to determine the average number of hours that people sleep at night. The results are shown at right. Use this data for Exercises 6–12.

6. Make a frequency table for the data.

Number of Hours Spent
Sleeping at Night

5	8	6	7	4
9	8	7	5	9
8	10	7	7	8
6	8	8	7	8
9	8	7	5	9
10	7	8	8	6

Find the measures of central tendency for the data.

7. mean _____ 8. median _____ 9. mode _____ 10. range _____

11. Which measure of central tendency do you think gives the best indication of the number of hours the “typical” person spends

sleeping each night? Explain. _____

12. Suppose that another person was surveyed and said that he spends 3 hours sleeping at night. How would this affect the mean, median,

mode, and range? _____