

Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_

1.

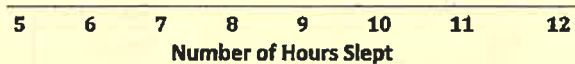
Robert, a sixth grader at Roosevelt Middle School, usually goes to bed around 10:00 p.m. and gets up around 6:00 a.m. to get ready for school. That means he gets about 8 hours of sleep on a school night. He decided to investigate the statistical question: How many hours per night do sixth graders usually sleep when they have school the next day?

Robert took a survey of 29 sixth graders and collected the following data to answer the question.

7 8 5 9 9 9 7 7 10 10 11 9 8 8 8 12 6 11 10 8 8 9 9 9 8 10 9 9 8

Dot Plot of Number of Hours Slept

Make of dot plot of the data:



2. What are the least and most hours of sleep reported in the survey of sixth graders?

Least: \_\_\_\_\_ Most: \_\_\_\_\_

3. What is the mode number of hours slept? \_\_\_\_\_

4. What is MEAN number of hours of slept? \_\_\_\_\_

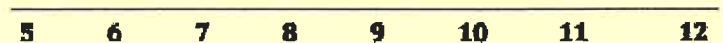
5. What is MEDIAN number of hours of slept? \_\_\_\_\_

6. Which would you use to describe the center of the data, MEAN or MEDIAN?

Here are the data for the number of hours the sixth graders usually sleep when they do not have school the next day.

7 8 10 11 5 6 12 13 13 7 9 8 10 12 11 12 8 9 10 11 10 12 11 11 11 12 11 11 10

7. Make a dot plot of the number of hours slept when there is no school the next day. (Label the graph)



8. What are the least and most hours of sleep reported in the survey of sixth graders?

Least: \_\_\_\_\_ Most: \_\_\_\_\_

10. What is the mode number of hours slept? \_\_\_\_\_

11. What is MEAN number of hours of slept? \_\_\_\_\_

12. What is MEDIAN number of hours of slept? \_\_\_\_\_

13. Which would you use to describe the center of the data, MEAN or MEDIAN?

