

Dot Plots and Line Plots Homework:



Example 1: Robert, a 6th 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 that he gets about 8 hours of sleep on a school night. He decided to investigate the statistical question: How many hours per night do 6th graders usually sleep when they have school the next day? Robert took a survey of 29 6th 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, and 8

Robert decided to make a dot plot of the data to help him answer his statistical question. Robert first drew a number line and labeled it from 5 to 12 to match the lowest and highest number of hours slept. Create a dot plot of this data set (*remember to label the x axis with your units of measure—5, 6, 7, 8, 9, 10, 11, and 12 hours*):



Next, solve for mean, median, mode, and range of this data set:

Mean: _____
Median: _____
Mode: _____
Range: _____



Example 2: Ms. Lucille is a music teacher. She gave her students a 6-question quiz about famous composers. The list below shows the scores her students received on the quiz:

6, 6, 5, 4, 6, 2, 4, 5, 3, 6, 0, 1, 6, 3, 3, 6, 5, 2

Create a line plot of this data set (*remember to label the x axis with your units of measure—0, 1, 2, 3, 4, 5, and 6 correct*):



Next, solve for mean, median, mode, and range of this data set:

Mean: _____

Median: _____

Mode: _____

Range: _____