Practice 2: Mean, Median, Mode and Outliers

The sum of the heights of all the students in Mrs. Maloney's class is 1,472 in.

1. The mean height is 5 ft 4 in. How many students are in the class? (1 ft = 12 in.) _____

2. The median height is 5 ft 2 in. How many students in Mrs. Maloney's class are 5 ft 2 in. or taller? _____

   How many are shorter? _____

The number of pages read (to the nearest multiple of 50) by the students in Mr. Sullivan's class last week are shown in the tally table at the right.

Pages	Tally
50	I
100	
150	II
200	TH I
250	I
300	TH
350	III
400	IIII
450	I
500	I

3. Find the mean, the median, and the mode of the data.

   _____

4. What is the outlier in this set of data? _____

5. Does the outlier raise or lower the mean? _____

6. Would you use the mean, median, or mode to most accurately reflect the typical number of pages read by a student? Explain. _____

   _____

Kenny hopes to have a 9-point average on his math quizzes. His quiz scores are 7, 6, 10, 8, and 9. Each quiz is worth 12 points.

7. What is Kenny's average quiz score?

   _____

8. There are two more quizzes. How many more points does Kenny need to have a 9-point quiz average? _____

9. Write the numbers from 1 to 6 on slips of paper. Place the numbers in a paper bag or an envelope. Draw out a number 20 times, each time replacing the number before drawing again. Complete the tally table. Find the mean, median, and mode.

   _____

   _____

   _____

Number	Tally
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____