1. The following table shows the number of inches of rain received each day for seven days, but the amount of rain is recorded incorrectly on one of the days. The mean amount of rain for the week is one inch per day.

Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Rainfall	1.5 in.	2 in.	2 in.	0 in.	0 in.	10 in.	0.5 in.

   Which day do you think is recorded incorrectly? Why?

   What should be the amount of rainfall for the day that is recorded incorrectly? Explain how you determined your answer and justify why it is correct.

   If all seven data values in the table were originally recorded correctly, what would be the mean?

2. Maggie has taken five 10-point mathematics quizzes this year. The mean of her quiz scores is 8. She takes a sixth quiz, and her mean is now 7. What did she score on the last quiz?

3. Zaid has taken seven 10-point math quizzes this semester and earned the following scores: 10, 7, 7, 6, 9, 8, 9. What is his mean quiz score? What does he need on the eighth quiz to have his mean equal 9? Explain your reasoning.

4. Alec took five 10-point mathematics quizzes this year. The mean of his scores is 8, the mode is 7, and the median is 7. What are his five scores?