

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Quiz Grades Activity

Ms. Reyes gave a quiz in one of her classes last Friday. The following are the quiz grades for the class.

70, 100, 80, 87, 78, 77, 93, 76, 66, 83

**Step 1.** Calculate the mean, median, mode, and range for each data set.

Mean \_\_\_\_\_

Median \_\_\_\_\_

Mode \_\_\_\_\_

Range \_\_\_\_\_

**Step 2.**

a.) Marilyn was absent on Friday, made up the quiz and got a 40. Calculate the mean and median for the class with this quiz grade.

b.) Did the median or the mean change more? Explain why it changed more.

**CHECK POINT!** Please call an instructor over for a group quiz. Everyone should be able to explain your reasoning to Step 4 and answer any follow-up question. Score: \_\_\_\_\_

### **E x t e n s i o n Problems:**

a.) In Ms. Reyes' other class, there were four perfect quizzes (100s). The median of the class, however, was a disappointing 65. What can you say about the other quiz scores for the class? What kinds of grades would you expect them to be?

b.) With your group, come up with a data set of 10 quiz grades that have these 4 perfect quizzes and a median of 65.