

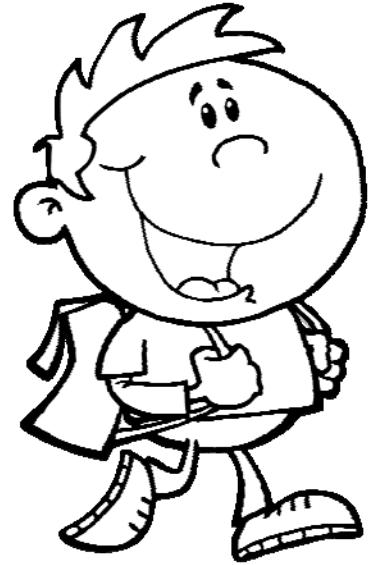
Name \_\_\_\_\_

Date \_\_\_\_\_

**Outliers in Data Sets - Guided Lesson**

Complete the following problems:

1) 25 students scored on an average 45 out of 70 on the physics test. 5 students scored extremely high marks. When these 5 students were excluded the average was reduced to 40 out of 70. What is the mean of the 5 outliers?



2) Ms. Mary has 50 students in her class. In a graded evaluation the students averaged 70%. Due to a calculation mistake, she thought the students had averaged 71%. The calculation mistake was that 5 students who scored low marks were excluded. What were the mean scores of these 5 students with low marks?

3) The following table gives the temperature (C°) over a week in Chicago:

Week	Temperature in Degrees
Monday	10
Tuesday	11
Wednesday	9.5
Thursday	10.5
Friday	9.85
Saturday	8.6
Sunday	6.15
	Sum = 65.6

If the minimum temperature of the week is not included, what is the mean temperature of the week?

