

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## *Where We Are From*

1. Calculate the Mean, Median and Mode of the distance data for the whole class. Be sure to show your work.

1a. Calculate the Mean, Median and Mode of the boys. Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

1b. Calculate the Mean, Median and Mode of the girls. Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

**Analyze!** Do the calculations between the boys and girls tell us anything important, or what would explain the differences there are? (Use complete sentences.)

2a. Calculate the Mean, Median and Mode for all students whose last names begin with the letters A through M. Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

2b. Calculate the Mean, Median and Mode for all students whose last names begin with the letters N through Z. Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

**Analyze!** Compare and contrast your results with those you got when you calculated the difference between the boys and girls in #1a and #1b. (Use complete sentences.)

### **Part 2 – Number Crunchin’!**

1. What percent of the class was born more than 100 miles away?

2. What is the Mean of those who were born over 100 miles away?

3. What is the median and mode of those born *less* than 100 miles away? Median: \_\_\_\_\_  
Mode: \_\_\_\_\_

**Analyze!** Can you think of anything that would explain the results from the three questions above? (Use complete sentences.)

4. What percent of the class was born over 1,000 miles away?

5. What is the mean of those who were born over 1,000 miles away?

**Analyze!** Were the answers to #5 and #6 more or less than you expected? Why? (Use complete sentences.)