Name_____

Trash Data Analysis

Trash Data is available online in the ***Take Out the Trash*** activity at www.fergusonfoundation.org.

1. What was the average weight of trash per person (in ounces) that your class produced from your visit to Hard Bargain Farm Environmental Center? _____

2. Look at the ***Trash Data*** to view data from other classes. Write a statement about the amount of trash your class had in comparison to other classes. Explain your statement. Include numbers (data figures) from the ***Trash Data*** tables.

3. The data can be organized in other ways to learn more. Certain patterns or trends can be observed. Rearrange the data from the ***Trash Data*** by filling in the tables below.

CLASSES WITH THE LEAST AND MOST TRASH PER PERSON ON THE OVERNIGHT FIELD TRIP TO HARD BARGAIN FARM

Least Lunch Trash		
School Year	**Class**	**Average Trash Weight (oz. / Person)**

Most Lunch Trash		
School Year	**Class**	**Average Trash Weight (oz. / Person)**

Look for patterns in your tables. What did you observe?

4. Some classes received instructions on how to pack trash free before coming to Hard Bargain Farm Environmental Center and some schools did not. With this in mind, can you draw any conclusions from the data and about the importance of pre-trip instruction for packing trash free? Support your answer.

Word Problems

Use your class' information, along with information from other fifth grade classes, to answer the following questions.

5. Using the information from the ***Trash Data*** table (average trash weight/person in ounces), figure out how much trash you would produce packing the same way you did for your trip, for the entire school year (186 days).

_____ oz		186 days		_____ oz.
Average trash weight/person	**X**	(days/school yr.)	**=**	Average trash weight/person/school yr.

6. Convert your answer for #1 into pounds.

_____ oz.		16 oz.		_____ lbs.
Average trash weight/person/school yr.	**X**	per lb.	**=**	Average trash weight/person/school yr.

7. If you packed the same every day of school, 186 days of school per year, for 12 years, the entire time you attend school, how much trash would you have accumulated in pounds?

_____ lbs.		12 years		_____lbs.
Average trash weight/person/school yr.	**X**	of school	**=**	Average trash weight/person/12 yrs.

8. How much trash would your whole class produce in 12 years of school?

_____lbs.		_____		_____lbs.
Average trash weight/person/12 yrs.	**X**	# students/class	**=**	Average trash weight/class/12 yrs.