How many particles are in your name? **Name _____**

Question: How can you determine the number of formula units of chalk (calcium carbonate) are required to write your name?

Materials: One piece of chalk, metric balance, paper towel

Procedure: Obtain a piece of chalk from your instructor. Assuming that the composition of the chalk is calcium carbonate, determine the number of formula units of chalk required to write out your name on the paper.

Summing up:

1) Explain the procedure which you will use to determine the number of formula units of chalk required to write your name. Be specific!

2) Prepare a data table in the space below and record your data and calculations. Be sure to include units on all of your numbers and the appropriate number of significant figures.