

The Stoichiometry of S'mores

Each group started with the same amount of “standard” ingredients...

1 Hershey bar (1C₁₂ because there are 12 little squares)..... →



6 marshmallows (6 M) ... →



6 Graham Crackers (6 G_{C4})..... →

(1 Graham Cracker is G_{C4} because it has 4 parts that can break apart)

For all your lab questions ASSUME THAT YOU STARTED WITH THIS MUCH INGREDIENTS.....

PROCEDURES:

1. In procedure step # 1 you are directed to measure the mass of each ingredient in a S'more. (The scale was “zeroed” with the paper towel on it so you are reading only the mass of the food product. You are also only measuring the amount you used, except the graham cracker which you used two identical pieces (1 top and 1 bottom.)



When you construct your S'more, you end up with a “product” that looks like this:

You can calculate its mass by adding the “reactants” from the “synthesis reaction” to form a S'more.



From this data you should be able to complete the lab. Please attend tutorials if you need help.