

Experiment, Percentage Composition of a Cookie

Print Name _____ Per _____

Purpose: To find the percentage composition of a cookie and see how that relates to the percentage composition of a chemical compound.

You MUST show all of your math calculations!!

Procedure:

Do not mass cookies nor chemicals directly on the balance! Use a weighing paper. Mass a weighing paper to 0.01g.

Remember to subtract the mass of the paper from your cookie masses. _____ g

1. Mass of cookie less mass of paper _____ g

2. Remove the chocolate chips. Mass of chips less paper _____ g

3. Find mass of the residue (#1 - #2) _____ g

4. Find the % of chips (#2 / #1 X 100%) _____ %

5. Find the % of the residue (#3 / #1 X 100%) _____ %

6. Compare #4 + #5 with the total (100%). How do they compare?

7. Questions:

a. Explain any differences in #6.

b. Is your cookie consistent with those of other groups?

8. Critique on back: