

Investigate – Average Mass of M&Mium

In this lab, your lab group will need to determine the relationship between the masses of three different types of M&M, the number of each type of M&M present in the sample and the average mass of a single M&M from the sample.

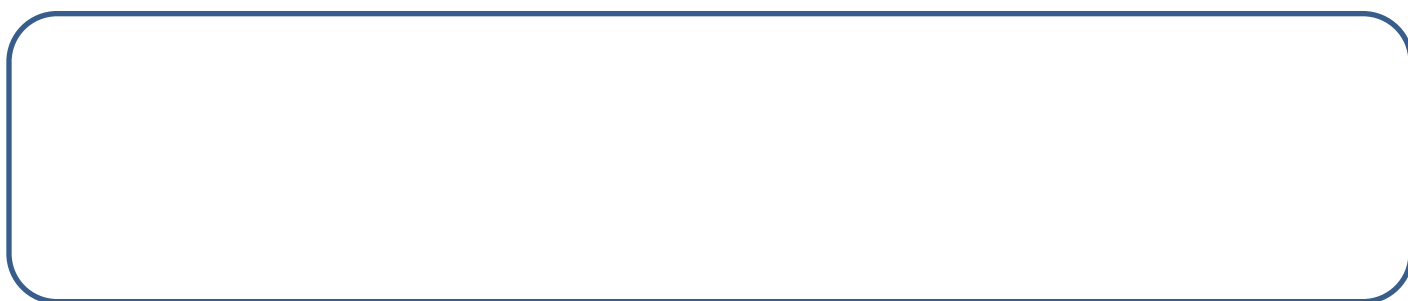
I. Design:



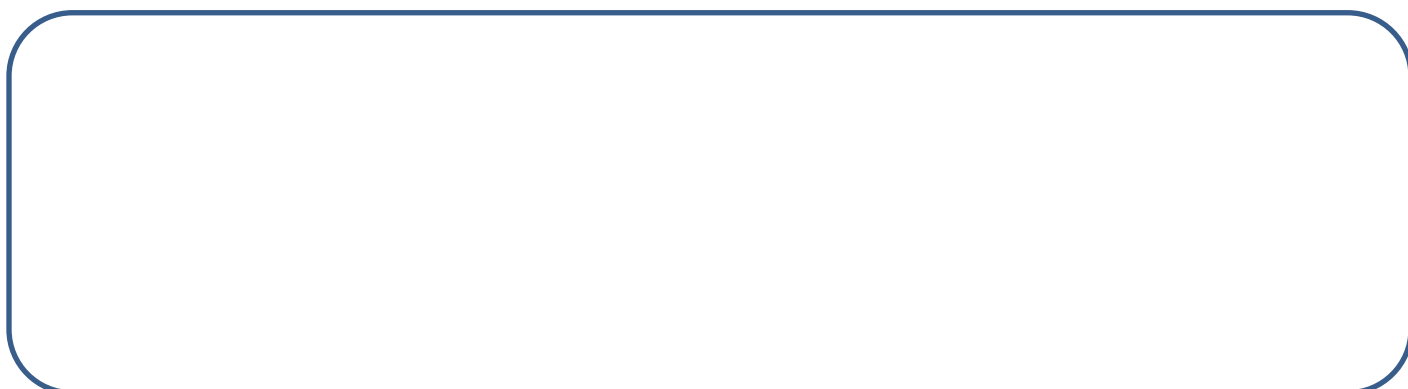
II. Purpose:



III. Materials:



IV. Procedure (If different from Design)



V. Data and Calculations

<< In this section, record all of the data that you obtain in the lab, in a neat, properly formatted data table and show your work for any required calculations>>

VI. Data Analysis

1. How many of each type of M&M were in the bag? If you changed these amounts do you believe the average mass of the single M&M would change?
2. Based on your answer to #1, what is the relationship between the number of each type of M&M, the average mass of that M&M and the average mass of a single M&M from the sample? **BE SPECIFIC**
3. Create a mathematical formula that relates average mass of a single M&M to the amount of each type of M&M present in the sample and average mass of each type of M&M.