



A Sweet Research

Understanding the Scientific Method



I. Title-

Understanding the Scientific Method

II. Purpose-To observe and understand Scientific Method by examining packaged candies.

III. Hypothesis- “Skip a few lines”
(Remember to start with. “I believe”)...”



IV. Procedure-

1. Note the size of your M&M bag & record data.
2. Open up the bag of M&M's.
3. Separate the candy by color.
4. Count the number of each color.
5. Record the data in the table.



V. Data and Observations-

Data: Use the example from the Next slide.

Observations: “hint: use senses!”

3-about the lab

3-random “classroom environment”

VI. Analysis and Conclusion-

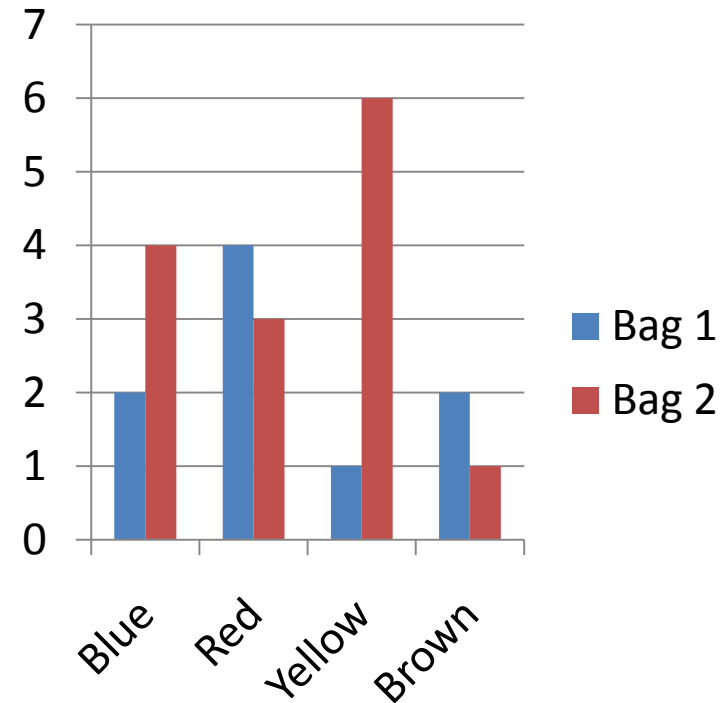
Analysis: graph your result the best way you see fit.



Data Table and Analysis Graph

Bag #1, Weight_____

Color	Number
Red	
Blue	
Yellow	
Brown	



VI. Analysis and Conclusion-

Analysis: Questions/Calculations

- 1. What colored M&M fell above/below the average?**
- 2. How many M&M would you expect to find in a big bag, NET WT 14.oz / 396.9g?**
- 3. How many M&M of each color would you expect to see in the big bag?**
- 4. What size of candy packaging do you think is the best deal?**

IV. Analysis and Conclusion-

Conclusion:

- Restate and evaluate your hypothesis.

“I accept or I reject”

- Knowing what you know now...what are **two** more interesting studies to consider?