

M & M Graph (Math)

Introduction: Charts and graphs are not only valuable instruments for communicating data quickly and simply, they can be tools for stimulating discussion, and aids in promoting mathematical thinking.

PURPOSE: To provide you with a hands-on learning experience in the process of collecting, analyzing, and interpreting data.

Creating the Spreadsheet

What colors come in your bag?



Full Circle = 5 M&Ms *Figure 1 Pictograph*

- Open the spreadsheet program on your computer.
- Open your bag of M& Ms and count how many you have in each color.
 - Creates a spreadsheet with your full name in a cell plus the cells created as shown below:

	A	B	C	D	E	F	G	H
1	Color of M&M	Blue	Brown	Green	Orange	Red	Yellow	Total Manufactured
2	Number Manufactured							
3	Color of M&M	Blue	Brown	Green	Orange	Red	Yellow	
4	% of Total Manufactured							

- Using the pictograph in Figure 1, fill in the number for each color of M&M manufactured out of a 100
- Create the formulas so the spreadsheet will calculate the % of Total Manufactured

Creating a Pie Graph

- Create a pie graph that shows the percent (%) of each color that is manufactured at the factory. The pie graph must:
 - Have a legend that contains:
 - Name of the color
 - % manufactured for each color
 - The color of the legend must match the color of the candy
 - Title
 - Background
- Save the spreadsheet with the pie graph as an artifact of your work.
- Eat the evidence. Enjoy your M&M's.