

M&M GrAphIng LaB



Purpose:

To collect data and graph findings.

Materials:

- 1 bag of M&Ms
- Graphing Paper
- Colored Pencils

Procedure:

1. Open your package of M&Ms and sort them by color.
2. Record how many of each color your bag of M&Ms contains.
3. Calculate the percentage of each color present in your package.

Formula:

$$\text{Percentage} = \frac{\# \text{ of Color}}{\text{total \# of M\&Ms}} \times 100$$

Example:

$$\text{Percentage} = \frac{3 \text{ red}}{25 \text{ total}} \times 100 = 12\%$$

Color	Number Present	Percent
Red		
Green		
Brown		
Blue		
Yellow		
Orange		

Analysis:

1. On a separate sheet of graph paper, graph your results using a line graph; a bar graph; and a circle/pie graph.
2. Which color M&M did you have the most of?
3. Which color M&M did you have the least of?
4. Which type of graph best represents this data? Why?
5. What do you think is the reason the M&M's are not all equal?