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♥ Marie



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m&m's SCIENTIFIC LAB

Work together or on your own to discover how many of each color is in a bag of M & M's. Is there a color that is more prevalent? In this lab, you will make predictions, investigate, collect data, and then analyze data to make a conclusion.

STEP 1: Gather your supplies:

- Bag of M & M's
- Colored pencils or crayons



POSING QUESTION: *Does a bag of M & M's have more of one color?*

STEP 2: MAKE PREDICTIONS

PREDICTION #1: I think there will be more _____
(color) M & M's than other colors in a bag of M & M's.

PREDICTION #2: I think there will be less _____
(color) M & M's than other colors in a bag of M & M's.

STEP 3: SORT

Open the bag of M & M's pouring them onto your sorting sheet. Sort the M&M's into different colors on your sorting sheet. Count and record your data.

STEP 4: RECORD DATA IN GRAPH

Count each pile of M & M's and then record the data onto your bar graph. Use coordinating color bars on your graph to match the color of the M & M's. For example, if there are 8 brown M & M's, then color the bar graph for brown M & M's with a brown crayon or colored pencil.



SORT

RED

BLUE

ORANGE

BROWN

GREEN

YELLOW

m&m's GRAPH

Color each bar based on the number and color of each M&M pile. For example, the red M&M bar should be colored in red to the number that was in the red pile.

Number of M&M's

17						
16						
15						
14						
13						
12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						
	RED	BROWN	BLUE	ORANGE	GREEN	YELLOW

STEP 5: ANALYZE & MAKE CONCLUSIONS

Look at the data you collected in your bar graph to answer the questions about your conclusion below.

1.) Which M & M color was the most in your bag?

2.) Which M & M color was the least in your bag?

3.) Was your Prediction #1 correct?

4.) Was your Prediction #2 correct?

5.) Do you think your results would change if you had a different bag of M&M's?

Explain.
