There is a rumor in the candy world that the Mars company is phasing out the green M&M to extinction! They say that most people do not like the green M&M and feel it would be in the company’s best interest to get rid of it. Because this is a rumor, you have been hired by a marketing corporation to test and see if this rumor is true. Follow the directions below. Record your data, and submit your findings.

Step 1: Open your package of M&Ms and sort them by color.

Step 2: Record the data on the table below

|  |  |  |  |
| --- | --- | --- | --- |
| Color | How many? | Total M&Ms | Ratio – Color to total |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |



Step 3: Combine your totals and record the data for everyone in your group on the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| Color | How many? | Total M&Ms | Ratio – Color to total |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |



Step 4: Write a summary of your findings in a paragraph to the research company explaining if you think the rumor is true or not. Use your ratio data to prove your theory. ( 5 sentence minimum)

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Step 5: What could we do to make our findings more accurate?

Step 6: Are any of the ratios equivalent? Which ones?

Step 7: Can any be simplified? Which ones?