**Directions:** In the chart below, fill in the number of each color that your bag of M&M’s contains. Then answer the following questions.

|  |  |
| --- | --- |
| Color | Quantity |
| Blue |  |
| Green |  |
| Orange |  |
| Brown |  |
| Red |  |
| Yellow |  |
| **TOTAL** |  |

1. What is the ratio of red to orange?
2. What is the ratio of yellow to green?
3. What is the ratio of blue to the total number of M&M’s?
4. What is the ratio of the total number of M&M’s to brown?
5. Suppose you had another bag of M&M’s that contained twice the amount of M&M’s you have in this bag. How many green M&M’s would it need to have in order for you to have the same proportion of that color?
6. Suppose you had yet another bag of M&M’s that contained 100 M&M’s! How many orange M&M’s would it need to have in order for you have the same proportion of that color?



1. Have each person eat three M&M’s of any color.
   1. What is the ratio of yellow to the total?
   2. What is the ratio of the total to red?
   3. What is the ratio of blue to brown?