The Color of M & Ms

Leader

Determine and compare the color distribution of candy in snack-size packages of M&Ms.

You will need:

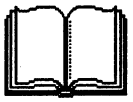
- ❑ Jumbo bag of snack-size packages of M&Ms
- ❑ Frequency table sheet
- ❑ Sheet of graph paper
- ❑ A calculator

Do this:

- Have the student open the snack-size packages of M&Ms one at a time.
- Count and record (using tally marks) the number of each color M&M in the package.
- Indicate the total number of M&Ms in each bag.
- Calculate and record the ratio of each color to the total.

$$(\text{color} \div \text{total number} = \frac{\text{color}}{\text{total number}})$$

- Express the ratio as a decimal.
- Express the ratio as a percent.



Student_____

Do this:

- Open your bag of M&Ms.
- Count and record the number of each color in your package.
- Fill in the ratio, decimal, and percent by dividing the number of each color by the total number of the M&Ms in the bag.
- If you are working with other children, compare your results with theirs.

Color	Number	Ratio	Decimal	Percent
Brown				
Tan				
Yellow				
Orange				
Green				
Red				
Total (in your bag)				

1. How does your color distribution compare with others?_____

2. If you combine the M&Ms from the individual bags, is there a change in the distribution?

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WHAT I FOUND