

m&m's Information Analysis

According to the Mars Corporation, the same percentage of each color of **m&m's** is used in certain packages. To find out if this true, conduct a classroom investigation.

Each student will need a small package of **m&m's**.

Each student should first estimate and answer the questions on the estimation worksheet. Then, count and sort the candies entering data on the Sorting Worksheet. Finally, each student should graph his/her results. Working in groups of four, students may compare individual results to come to some conclusions pertaining to the numbers of each color that each student recorded. Share the groups' conclusions with the class. Combine data to determine a classroom count and sort. This could be used to create a large classroom graph.

Students working together determine percentages to verify or contradict the Mars Corporation's claim. A circle/pie chart depicting the percentages may be used to graphically compare the company's percentages and the classroom's percentages. Each student could be given the opportunity to complete a percentage circle graph representing their own data.

Plain m&m's:

30% Brown

20% Yellow

20% Red

10% Orange

10% Green

10% Blue

Peanut m&m's:

20% Brown

20% Yellow

20% Red

10% Orange

10% Green

20% Blue

m&m's Estimation Worksheet

1. How many **m&m's** do you think there are in your package?

2. Do you think all the packages will have the same number of **m&m's**?

3. How many different colors will there be in your package of **m&m's**?

4. How many of each color that you listed do you think you will have in your package of **m&m's**?

COLORS

NUMBER OF PIECES OF CANDY

m&m's Sorting Worksheet

1. How many **m&m's** are in your package?

2. Did all the packages have the same number of **m&m's**?

3. How many colors do you have in your package?

4. List the colors on the lines below.

COLORS

NUMBER OF PIECES OF CANDY

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

5. Beside each color write the number of **m&m's** you had in your package of that color.

m & m's Graphing Worksheet

Using the information from your sorting worksheet to complete the graph below, color the bars the colors of the **m&m's** you are graphing.

