

# Skittle Me This...

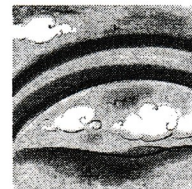
("Don't Taste the Rainbow"-THESE SKITTLES HAVE BEEN USED BY OTHER STUDENTS FOR SEVERAL LABS)

## "Skittle Me This" Graphing Activity: Create a Bar Graph and a Pie Graph of the Colors in a cup of Skittles

1. Obtain your cup of Skittles from the front counter. (NOT EDIBLE)
2. Follow the instructions for creating a bar graph and pie graph.

**Materials:** Skittles, Graph Paper Color Pencils, Calculator is optional.

Directions: Sort and Count your Skittles first; then create the two graphs below



### BAR GRAPH (USE THE COLORS OF THE SKITTLE FOR EACH BAR.)

1. Choose your data – Skittles represent your data.
2. Choose which set of measurements is the base of your bars
3. Label the bottom axis. If the bars touch, label where they meet with the boundary they share. If the bars are separate, label each in the center with its value or range.
4. Draw and label the side axis. Divide the highest value of all the bars by the number of squares left above the bottom axis to find what each square represents
5. Draw your bars. Extend the base you have marked on the bottom axis to the horizontal line labelled with the value of that bar. If the value falls between two lines, approximate where the correct value would lie.
6. Label the axis with what they represent and add a title to the graph.

### PIE/CIRCLE GRAPH (USE THE COLORS OF THE SKITTLE FOR EACH SLICE OF THE PIE.)

When constructing a circle graph, follow the steps below (NOTE: If the data is not already in a table, put it into tabular form.):

1. **Is the Data Suitable**--Determine if there is a "whole" for the data. Then determine what the different parts, or data groups, of the whole are.
2. **Calculate Percentages**--For data that is not already given as a percentage, convert the amounts for each part, or data group size, into a percentage of the whole. **Draw the Graph**--Draw a circle and draw in a sector for each data group. Try to make the sector sizes look as close to the percentage of the circle as the percentage of the data group.
3. **Title and Label the Graph**--Label the sectors with the data group name and percentage. Then add a title to the graph. This is the same as the title of the table.

**RETURN THE CUP OF SKITTLES TO THE TRAY WHEN YOU ARE FINISHED WITH COUNTING AND SORTING.**