Skittle Me This…

(“Don’t Taste the Rainbow” – THESE SKITTLES HAVE BEEN USED BY OTHER STUDENTS FOR SEVERAL LABS)

**Part 1**: Create a bar graph AND a pie chart of the colors in a cup of skittles

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

**Bar Graph:**

1. Label your x-axis your independent variable (colors of skittles)
	1. Make each bar 5 squares wide
2. Label your y-axis your dependent variable (number of each color)
	1. Make each line worth one skittle
3. Create a title suitable for this data that explains your graph
4. Shade in the amount of skittles that you have in your cup for each color

**Pie Graph**:

1. Figure out the TOTAL amount of skittles you have and write it here: \_\_\_\_\_\_\_\_\_\_\_\_\_
2. Fill in the chart below to show how many of each color skittle you have

|  |  |  |  |
| --- | --- | --- | --- |
| **COLOR** | **AMOUNT** | **AMOUNT** **Total** | **Percent** |
| Red |  | \_\_\_\_\_\_\_\_\_\_\_ |  |
| Orange |  | \_\_\_\_\_\_\_\_\_\_\_ |  |
| Yellow |  | \_\_\_\_\_\_\_\_\_\_\_ |  |
| Green |  | \_\_\_\_\_\_\_\_\_\_\_ |  |
| Purple |  | \_\_\_\_\_\_\_\_\_\_\_ |  |

1. Divide your circle in sections that look like a pizza (coming from the middle). Label each section for each color of skittle found in your cup. Try to make each piece look the size of your percent. (example: if half your cup was red, shade in half of the circle red)
2. Title and label your graph with percentages and color names

***Return the cup of skittles when you are finished counting and sorting***

Skittles Lab Questions

1. Which color did you have the most of? How do you know just by looking at your graphs?
2. How many skittles did you have total? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the average amount of skittles that you had per color? (Hint: add up the total amount for each color and divide by how many different colors there were): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Come up with 5 questions to ask a classmate that would require them to use your graphs. Write the multiple choice questions below:*

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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