



Name: _____

Skittles Lab: Taste the Rainbow!

Rubric: Look over this before and after the lab to be sure of the expectations!

Step	Parts that need to be complete and included for full credit!	Points
Pre- Lab Questions	- Completed in full sentences	/4
Hypothesis	- Stated in full sentence	/1
Followed Procedure	- Follow all steps, do not eat skittles before permitted to do so, work as a team.	/3
Data Table	- All parts filled in correctly, work shown for percentages, math done correctly.	/6
Graph (needs to be attached)	- Title , X axis labeled, Y axis labeled , Colored and neat, Key - Need to set up graph appropriately to share data.	/5
Conclusion	- All 3 parts of the conclusion need to be well thought out, full sentences and with use of data!	/6
TOTAL SCORE		/25

Pre-Lab Questions:

Answer the following questions, in complete sentences, prior to participating in the lab activity:

1. What process will we be using to solve the activity's problem?

2. What materials must we collect prior to beginning the lab activity?

3. What types of tools will you use to record and organize your data?

4. At what point will eating the skittles be permitted?

Skittles Lab: Taste the Rainbow! Name: _____

Question/Problem:

Which color skittle is most common in a fun sized package?

Hypothesis:

Materials Needed:

- 1 package of skittles
- 1 calculator
- colored pencils
- graph paper

Procedure:

- 1. Open your package of skittles**
- 2. Separate each color into its own piles (red pile, purple pile etc.)**
- 3. Count and record how many skittles of each color**
- 4. Count and record the TOTAL number of skittles**
- 5. Calculate the percentages of each color skittles.**
- 6. You may now EAT your yummy skittles!**
- 7. Discuss the type of graph you can create to display your data.**
- 8. Create a Graph**
- 9. Analyze your graph and your data.**
- 10. Answer the follow up questions and conclusion.**

Data Tables/Charts:

Color	Amount	Calculations for percentage <small>(amount of color/total amount skittles) X 100</small>	Percentage
Red			
Orange			
Yellow			
Green			
Purple			
<i>Total Skittles</i>		-----	100%

Analysis/Conclusion: Make sure you have completed your graph BEFORE answering.

1. Was your hypothesis supported or not? Use evidence (data) to explain.

2. What was the answer to your scientific question? Use evidence (data) to explain.

3. Error Analysis: Reflect on your lab. What could you do to improve the accuracy of this lab?
Be very detailed.
