Name(s):

Name(s):

Hour:

T13Q1 Spin Out

**Analysis, Prediction, and Global Results**

Since all the color parts of the spinner are equal sizes, do you think that if you spin the spinner more times, that the results should be closer to an equal number of hits for each color?

**Global collaboration**

* What is the number of total results collected in the global survey.
* In your own results, how close were your results to the total survey results?
* As more students enter their results into the global survey, what do you expect to happen to the totals for each color?

How many times did 1, 3, and 5 (purple, green, and orange) occur in the global survey results?

Why would this number be different from spinning the spinner 200 times?

Document your predictions to the following scenario based on your data in your Spinner Report document:

* If you walked into the Slushie store with five friends and you each spun the wheel for a slushie, what color or colors would you expect each of you to receive?
* Do you and your partner agree on the answer? Why or why not?

**Advanced Delivery Problem**

**After you change the spinner, answer the following questions:**

* Looking at your new spinner, which color will have the highest probability of hits, and which one the lowest out of 20 spins?
* Write your prediction into your document.
* Now keep track and spin the spinner 20 spins.
* Enter your results into your spreadsheet.
* How did you do?

 If you spin it more times, will it be closer to your prediction?

* Did your prediction come true?
* When you changed the spinner, why did this change the results?
* Was this a good solution to the problem? Why or why not?
* How does the data you collected support your answer?