

PROBABILITY LESSON #2

NAMES _____ DATE _____

MORE DATA

1. Start Safari, go to Burgy, click on Links.
2. Click on Spinner Game under Math.
3. Click on Change Spinner.
4. Set Red and Orange to 0.
5. Click Apply.
6. Click Record Results.
7. Change Spins to 100. Click Spin. Do 5 runs of 100 trials each. **Do not clear the results after each run.**
8. Record the results in the table below. **Record the running totals.**

3 COLOR TABLE – MORE DATA

Run	Yellow	Green	Purple
1			
2			
3			
4			
5/TOTAL			

9. Which color won? What was the difference between the winner and the loser? What did you notice as you did more and more trials? Did the colors get closer? Why?

DIFFERENT SPINNER AREAS

10. Click on Change Spinner. Click on Reset.
11. Set Red and Orange to 0. Set Green to 2.

12. Click Apply. Who do you will predict to win and why? If you have 1000 spins, how many should each color get? Write your prediction in the table.

13. Click Record Results.

14. Change Spins to 100. Click Spin. Do 10 runs of 100 spins each. **Do not clear the results after each run.**

4 QUARTERS TABLE WITH 3 COLORS

Run	Yellow	Green	Purple
PREDICTION			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10/TOTAL			

15. Did the experiment go as you predicted? Why or why not?

16. Extra credit. Make a spinner with 6 pie slices and with 2 or them the same color. What percent should each of the 5 colors get? Go 5 runs and compare your prediction with the experimental results. Document your finding on the back.