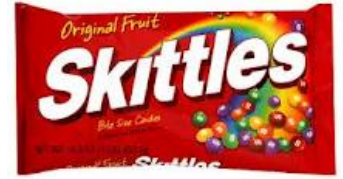Graphing with Skittles

Introduction: You have learned about BAR GRAPHS, LINE GRAPHS, PIE CHARTS AND SCATTER PLOTS. Now you are going to collect some data using Skittles and create some graphs. Remember to use the correct graph type and follow all of the graphing rules (refer to your class notes).

*DO NOT eat your Skittles until you have completely finished collecting your data! Keep your candy on the paper plates and do not let it touch the desks or counters.

GRAPH 1
1. Get a small cup of Skittles. You will need at least 60 of them.
2. Separate the Skittles by color.
3. Count the number of Skittles in each color group and record in a data table (on a separate piece of paper)
4. Design a graph of your data and show Mrs. Nork.

GRAPH 2
1. Keep your Skittles separated by color.
2. Calculate the percent for each Skittle color. (Ex. If you have 20 red Skittles out of 60 total, then 20/60 x 100 = 33% are red). Do this for each color and record your data in a table.
3. Design a graph of your data and show Mrs. Nork.

GRAPH 3
1. Put all of your Skittles back into the cup. (They do NOT have to be separated by color for this part).
2. Use a balance scale to find the mass of any 5 Skittles. Record this data in a table.
3. Add 5 more Skittles to the scale so that there are a total of 10. Find the new mass and record this data in your table.
4. Keep adding and massing Skittles in increments of 5 until you have 50 total. Be sure to record the masses for the Skittles every time you add 5 of them to the scale. (Stop when you get to 50 Skittles).
5. Design a graph of your data and show Mrs. Nork.
6. Use a ruler to draw a BEST FIT LINE. Be sure the line passes through the origin (0,0).
7. Pick any 2 points on your line and calculate the slope. Label this on your graph.

Now eat your Skittles!