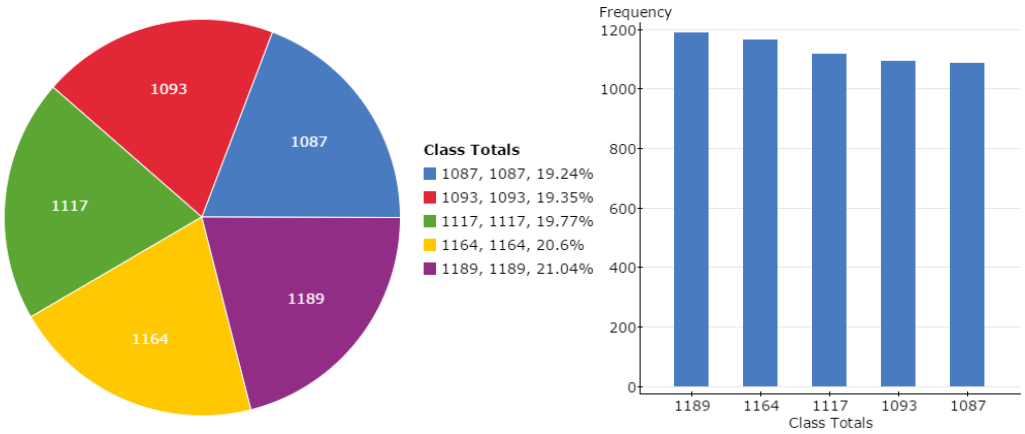
INDIVIDUAL WORK: Create a table to compare my bag of skittles with the total of the class.

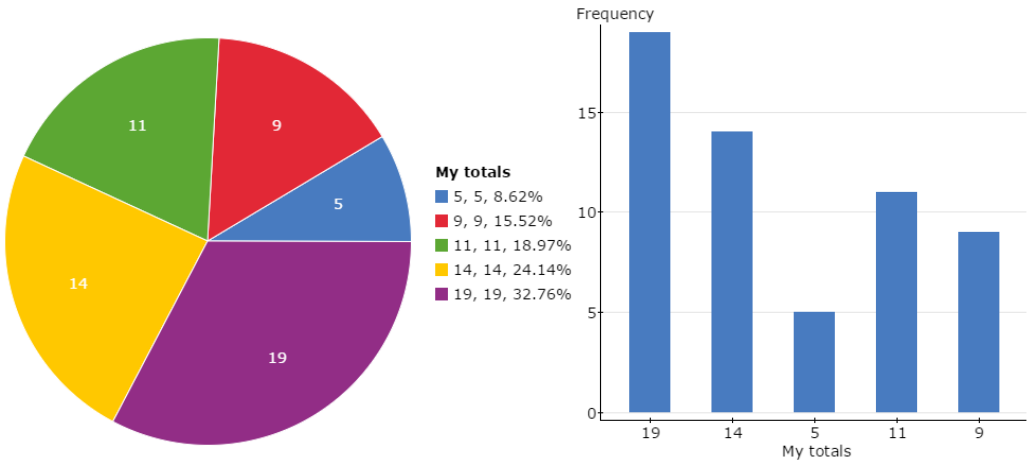
	Red candies	Orange candies	Yellow candies	Green candies	Purple candies	Total
Class totals	1164	1117	1189	1087	1093	5650
My bag	19	14	5	11	9	58

Write a paragraph discussing your observations of this data. Respond to the following prompts:

i. **Do the graphs reflect what you expected to see? Are there any surprises?**

I did both a Pie chart and a Pareto chart on the class totals and my totals. Both graphs for the class totals seem to confirm that there is an even amount of each color of candy within each bag. It is not surprising that the manufacturer would have a sorter to distribute the same amount of each colored candy into each bag. However, in my bag of candy the amounts were a bit less even. I had almost 4 times the amount of purple candy, than yellow. When the class had a symmetrical distribution, mine was skewed to the right. (I had issues with the pie chart and the colors-I wasn't sure what I did wrong here)





ii. **Are there any observations that appear to be outliers? If so, what impact might they have on graphics and summary statistics?**

There were no outlier within the class totals, however there was on my bag totals. The yellow candies were significantly lower than the class totals and the purple candies were significantly higher. This skewed the bar graph and it is not similar to the class totals at all.

iii. **Does the distribution of colors in the total class data match the distribution of your own data from your single bag of candies or are they different?**

Two of the totals were very similar, however the other 4 were either significantly higher or lower than the class totals.