Math 1040 Skittles Project Worksheet

For your own single 2.17-ounce bag of Skittles, record the numbers in the table below.

Number of red candies	Number of orange candies	Number of yellow candies	Number of green candies	Number of purple candies
13	12	21	8	9

Using the data compiled from the entire class, record the following information:

The total number of candies in the sample = __1570.__

	Number of red candies	Number of orange candies	Number of yellow candies	Number of green candies	Number of purple candies
	332	286	370	270	312
Proportion	0.211	0.182	0.236	0.172	0.199	=1

Throughout this entire project, use decimals rounded to three places for all of your proportions. Do not use percents.

The total number of candies in your own single 2.17-ounce bag of Skittles = __63.__

The total number of <u>bags</u> in the sample collected by the entire class = __26.__

The total number of <u>candies</u> in the sample collected by the entire class = __1570.__

For the entire sample:

$\bar{x}$ = __314__ (the mean number of candies per bag rounded to 1 decimal place)

s = __39.37__ (the std. deviation of the number of candies per bag rounded to two decimal places)

5- number summary: (round to one decimal place where necessary)