M&M Project

Name: _____

Directions:

Step 1: Open M&M's (DO NOT EAT)
Step 2: Count and record each color in the Individual Chart for each bag
Step 3: Count and record each color in the Combined Individual Chart for each bag
Step 4: Eat M&M's
Step 5: Throw bag in the trash
Step 6: Get counts from other team members and record in Team Chart
Step 7: Get counts from other teams and compile data into the Class Chart
Step 8: calculate percentages of each color
Step 9: Calculate the percent difference for each category in each chart using: [(Actual% - Published%)/Published%]*100
Step 10: Write a description of your observations of how the theoretical percentages compares to the empirical percentages as sample size increases.

Blue	Brown	Green	Orange	Red	Yellow
24%	13%	16%	20%	13%	14%

Individual Chart				
Color	**Count**	**Actual %**	**Published %**	**% Difference**
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Individual Chart				
Color	**Count**	**Actual %**	**Published %**	**% Difference**
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Individual Chart				
Color	Count	Actual %	Published %	% Difference
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Individual Chart				
Color	Count	Actual %	Published %	% Difference
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Individual Chart				
Color	Count	Actual %	Published %	% Difference
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Team Chart				
Color	Count	Actual %	Published %	% Difference
Blue				
Brown				
Green				
Orange				
Red				
Yellow				

Class Chart				
Color	Count	Actual %	Published %	% Difference
Blue				
Brown				
Green				
Orange				
Red				
Yellow				