

According to the M&M website, the color distributions of a 1.69 oz. bag of regular M&Ms is Blue (24%), Brown (13%), Green (16%), Orange (20%), Red (13%) and Yellow (14%). The distribution of the candies follows a normal distribution. The average number of candies in an individual pack of regular M&Ms is 57 pieces. Using this information calculate out following values for each color M&M.

	Mean (μ)	Variance (σ^2)	St. Dev. (σ)
Blue			
Brown			
Green			
Orange			
Red			
Yellow			

Using the normal distribution, calculate out an appropriate interval for each probability.

	68%	95%
Blue		
Brown		
Green		
Orange		
Red		
Yellow		