



Empirical Probabilities		
Using the results from your experiments, complete the table of probabilities.		
<i>Round your answers to the 3<sup>rd</sup> decimal place.</i>		
	With Replacement	Without Replacement
$P(2 \text{ reds})$		
$P(R_1B_2 \text{ or } B_1R_2)$		
$P(R_1 \text{ and } G_2)$		
$P(G_2   R_1)$		
$P(\text{no yellows})$		
$P(\text{doubles})$		
$P(\text{no doubles})$		

Theoretical Probabilities		
Using the counts of the M&M's in your set, calculate the following theoretical probabilities.		
<i>Round your answers to the 3<sup>rd</sup> decimal place.</i>		
	With Replacement	Without Replacement
$P(2 \text{ reds})$		
$P(R_1B_2 \text{ or } B_1R_2)$		
$P(R_1 \text{ and } G_2)$		
$P(G_2   R_1)$		
$P(\text{no yellows})$		
$P(\text{doubles})$		
$P(\text{no doubles})$		

Law of Large Numbers		
Using the class results from the experiment, complete the table of probabilities.		
<i>Round your answers to the 3<sup>rd</sup> decimal place.</i>		
	With Replacement	Without Replacement
$P(2 \text{ reds})$		
$P(R_1B_2 \text{ or } B_1R_2)$		
$P(R_1 \text{ and } G_2)$		
$P(G_2   R_1)$		
$P(\text{no yellows})$		
$P(\text{doubles})$		
$P(\text{no doubles})$		