M&Ms Probability

Directions:

Open your package and place them on your desk. Separate your M&Ms by color, and count how many you have of each color and how many you have in total.

DO NOT EAT ANY UNTIL WE FINISH DISCUSSING THE ACTIVITY!

Red	Blue	Brown	Orange	Yellow	Green	*TOTAL*

- Find the following probabilities using your M&Ms:

P(Red) =

P(Blue) =

P(Brown) =

P(Orange) =

P(Yellow) =

P(Green) =

P(Pink) =

P(not Yellow) =

P(not Green) =

P(Red or Blue) =

P(Brown or Green) =

P(Orange or Yellow) =

P(Primary color) =

With replacement:
P(Green, then Blue) =

P(Red four times in a row) =

P(Yellow, then Brown) =

Without replacement:
P(Green, then Orange) =

P(Red, then Blue, then Green) =

P(Blue three times in a row) =