



M&M's Activity

Name _____

1. How many plain M&M's do you think are in a Fun Size bag? _____
2. Do you think all Fun Size bags have the same number of M&M's? Explain.
3. What percent of plain M&M's are green? (guess) _____
4. What do green M&M's have to do with kissing? (There's a story here...).
5. If 16% of all plain M&M's are green, and you randomly picked the first five M&M's out of the bag, what is the probability that three would be green?

...that ALL would be green?

6. Tear a small hole in your bag and record the number of green M&M's in each group of five that come out. Also count the total number and total green.

of green out of 5: _____, _____, _____, _____

TOTAL in bag: _____; TOTAL # of green: _____; % green in bag: _____

Largest number of one color: _____; Smallest number of one color: _____;

Discussion Questions:

1. If we graphed the TOTAL number of M&M's in each bag, what do you think the graph would look like? Explain in detail and include a sketch.

2. Sketch the graph of our class's actual distribution below:

3. If we graphed the TOTAL number of green M&M's per bag, what would the graph look like? Explain in detail and include a sketch.

4. Sketch the graph of our class's actual distribution below:

M&M's Activity:

My Guess: _____

Guesses:

Actual:



Describe the distribution of the guesses:

Compare and contrast the distributions of guesses vs. actual:

MM Snack size bags - 2005

Bag	Brown	Green	Yellow	Red	Orange	Blue	BAG TTL
1	6	7	3	1	4	5	26
1	4	6	5	3	4	3	25
1	8	5	3	3	4	2	25
1	5	5	3	4	4	3	24
1	3	4	6	3	4	4	24
1	0	2	6	5	8	3	24
1	2	3	6	7	3	5	26
1	3	5	7	4	2	5	26
1	1	4	3	2	4	11	25
1	1	4	7	1	5	8	26
1	2	1	4	6	4	6	23
1	1	3	5	7	3	6	25
1	2	3	5	4	6	5	25
1	5	4	4	8	2	4	27
1	4	5	6	5	2	3	25
1	3	4	3	4	7	4	25
1	6	0	8	4	4	4	26
1	8	4	5	5	2	1	25
1	5	8	1	1	6	4	25
2	3	2	3	4	5	6	23
2	3	6	2	2	2	8	23
2	3	2	2	5	6	5	23
2	5	0	4	7	4	5	25
2	3	3	5	3	2	8	24
2	4	4	3	5	2	5	23
2	4	1	4	1	6	8	24
2	1	4	3	3	7	6.5	24.5
2	2	3	3	3	6	7	24
2	3	2	2	3	7	7	24
2	6	2	1	6	4	4	23
2	3	2	2	3	7	6	23
2	4	2	4	4	5	5	24
2	3	3	5	3	3	8	25
2	2	1	5	3	2	11.5	24.5
2	4	2	5	2	8	2	23
2	1	5	3	3	10	3	25
2	2	6	1	4	4	7	24
2	4	0	5	5	6	5	25