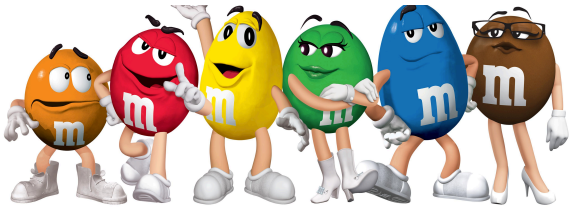
Name_____

Date_____



M&M Growth & Decay

PART 1

Step 1
Place 2 M&M's in a cup/plate. This is trial number 0.

Step 2
Shake the cup and dump out the M&Ms.. For every M&M with the "M" showing, add another M&M and then record the new population. (Ex. If 5 M&Ms land face up, then you add 5 more M&Ms)

Step 3
Repeat step number 2 until you are done with 10 trials OR you run out of M&Ms.

Trial #	0	1	2	3	4	5	6	7	8	9	10
# of M&M's (# of cells)	2										

Step 4
Graph your data with the trial number on the x-axis and the number of M&M's on the y-axis.

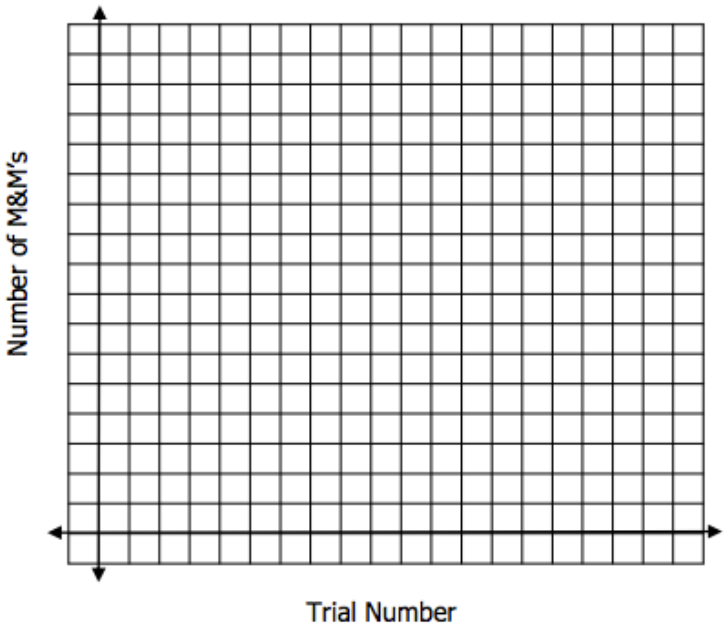
Discussion

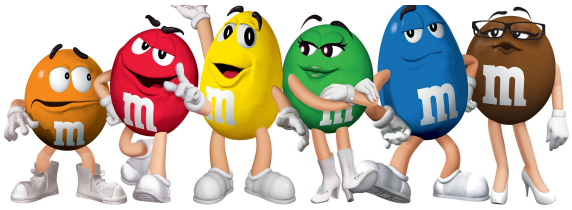
1. Is this set of data increasing or decreasing?

   _____

2. What is the starting value (# of M&Ms started with)?

   _____





Part 2

Step 1
Count the total number of M&Ms that you have. Record this number in trial # 0.

Step 2
This time when you shake the cup and dump out the M&Ms, remove the M&Ms with the "M" showing. Record the M&M population.

Step 3
Continue this process and fill in the table. You are done when you have completed 10 phases –OR- when your M&M population gets below 4. Do NOT record 0 as the population!!!

Trial #	0	1	2	3	4	5	6	7	8	9	10
M&M Population											

Step 4
Graph your data with the trial number on the x-axis and the number of M&M's on the y-axis.

Discussion

3. Is this set of data increasing or decreasing?

   _____

4. What is the starting value (# of M&Ms started with?

   _____