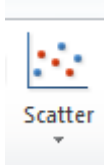
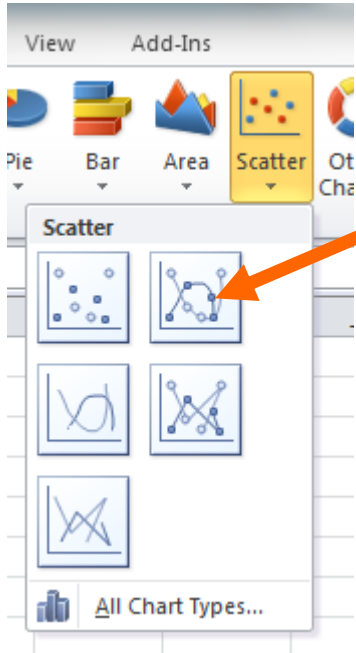


Click Scatterplot



Choose 2nd image



Modeling Exponential Growth and Decay Using M&M's

$$y = a(b)^x$$

Graph on Separate Graphing paper

The Exponential Growth of M&M's

Start with one M&M. Place it in a cup, shake it, and then empty it on the desk. If the letter M is showing, place it back in the cup. If there is no M add another candy and place both in the cup. Empty the cup again. For every candy not displaying a M, add another one and place it in the cup. Repeat for up to 20 trials or until you run out of candy. Record the data in the table below.

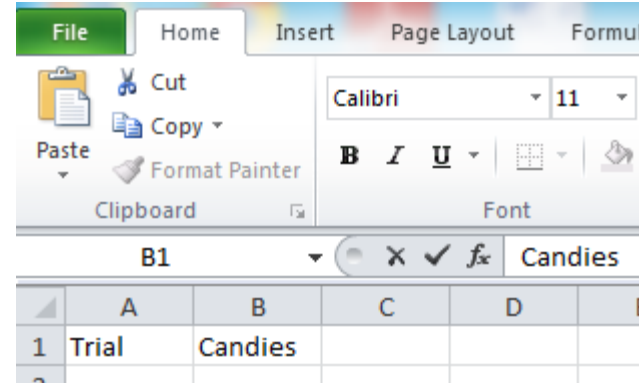
Trial	0	1	2	3	4	5	6	7	8	9	10
Candies	1										

Trial	11	12	13	14	15	16	17	18	19	20
Candies										

Graphing Exponential Growth

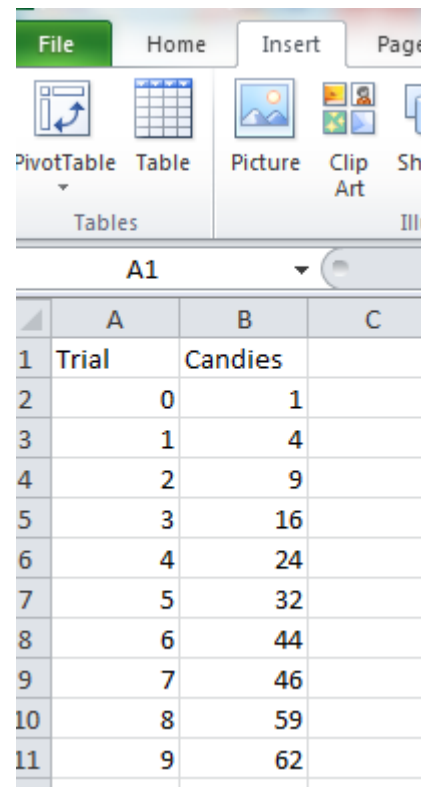
Open EXCEL Spreadsheet

Type in Trial and Candies in Cell A & B and Enter data from table



Trial	Candies
0	1
1	4
2	9
3	16
4	24
5	32
6	44
7	46
8	59
9	62

Highlight Graph and Click INSERT tab



	A	B	C
1	Trial	Candies	
2		0	1
3		1	4
4		2	9
5		3	16
6		4	24
7		5	32
8		6	44
9		7	46
10		8	59
11		9	62