Today's Learning Goal(s):

By the end of the class, I will be able to:

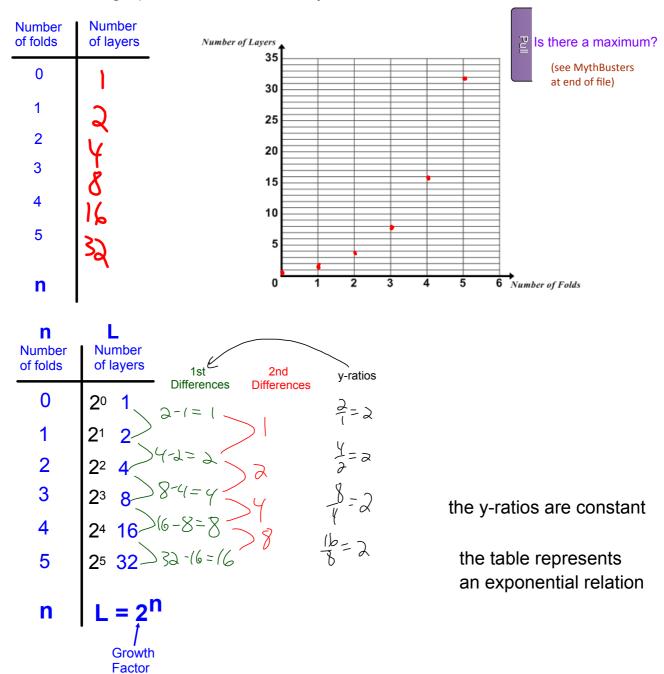
a) describe the characteristics of the graphs and equations of exponential functions.

4.1 Exploring Growth and Decay

Date: Apr 10/19

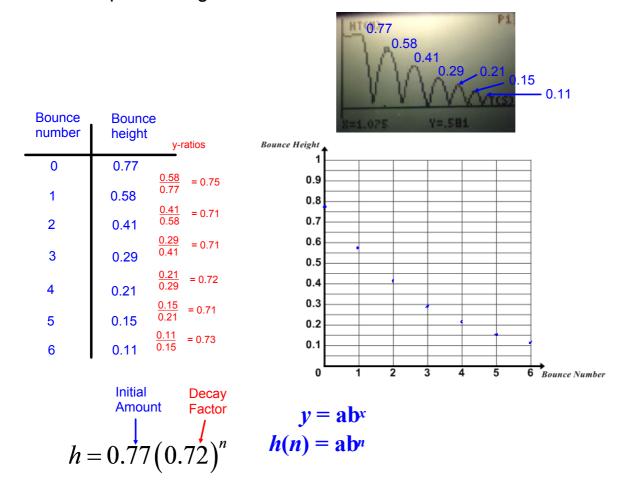
Ex. 1: Take a sheet of paper. Fold it in half. Count the numbeof layers formed. Fold it in half again and repeat. Complete the table.

Draw a graph of the number of layers versus the number of folds.

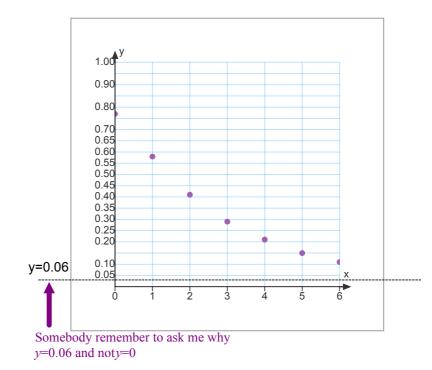


Recall: An exponential function has the variable in the exponent.

Ex. 2: Ball Bounce. Let a ball drop. Record the height after eadbounce. Graph the height versus the bounce number.



Bounce Number	Bounce Height
0	0.77
1	0.58
2	0.41
3	0.29
4	0.21
5	0.15
6	0.11



Are there any Homework Questions you would like to see on the board?

Last day's work: pp. 240-241 A - P p. 243 #1, 2

MythBusters (max. folds=7)

Today's Homework Practice includes:

pp. 214-215 A – H p. 216 #1, 2