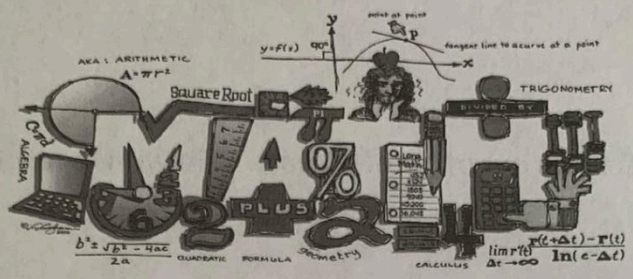
Our Mottos and Sayings



- Formal and Informal Math

- There is more than one way to Wal-Mart

- The word FAIL is never used here!

Write a short story about a situation that could be graphed as a line. Include at least 4 of the following terms: slope, y-intercept, x-intercept, independent variable, dependent variable, constant.

GED Math Activities (Nancy)

① The Skittles Experience

Materials: ① Individual Snack Bags of Skittles each with about 20+ multicolor pieces. (Dollar General carries them)

② Calculator - TI approved 30XS GED

This fun + edible activity is targeted for fractions, decimals, percents, probability, and statistics. It's also good for learning how to organize + interpret data individually and then aggregated for the group.

② Cooking + Baking With Fractions

I bring my favorite banana muffin recipe and have students half or double the measures.

For example: It calls for $1\frac{3}{4}$ cups flour. Have students tell you how they would half the recipe. Invite any and all responses! (There is always more than one right way to do this!)

③

Buying a Car

This is a great introduction to becoming financially aware of interest rates and the math behind them.

We talk about various places to get a car loan, and how interest rates vary and the length of the loan affects the payment and the ultimate price of the car.

This is also a very practical place to talk about credit cards and interest rates.

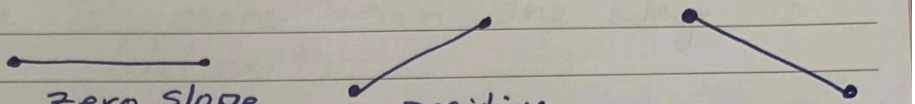
④ The Penny Problem
* Calculator for this one

This was my go-to problem to help students begin to understand that ~~understanding~~ compound interest is the key to building wealth.

The problem I posed:
You tell your mom you are going to wash the dishes for one month, and you ask her to pay you beginning with $.01 (a penny) on the first day, and then doubling the amount each subsequent day. How much money would you get by the end of the month?
I ask them to predict the amt they will earn in a month.
(We do it together on the board with a calculator)

(5) Understanding Slope

(a) This is a very important concept in passing the GED. A very simple exercise to introduce it is to just use a pencil to illustrate.

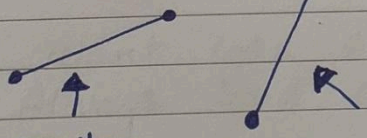


zero slope (it has no slant)

positive slope
From left to right, the pencil goes up.

negative slope
From left to right, the pencil goes down.

The steeper the line, the bigger the slope number.



smaller positive slope

bigger positive slope.

(b) To find the numerical slope from two points:
$(4, -2)$ $(-6, 8)$

$$\text{slope} = \frac{\text{change in } y\text{'s}}{\text{change in } x\text{'s}}$$

x	y	
4	-2	+10
-6	8	
-10		

$$= \frac{+10}{-10} = \boxed{-1}$$