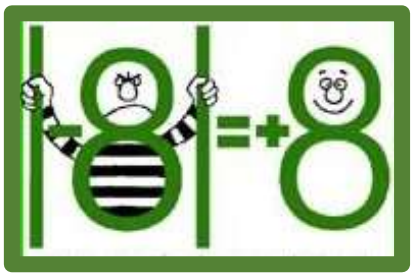
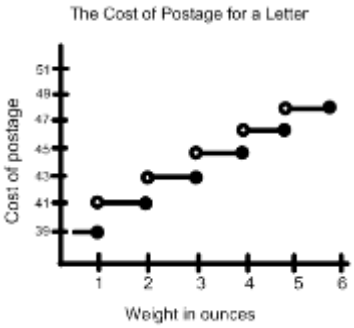


Things that make you go hmmm.....

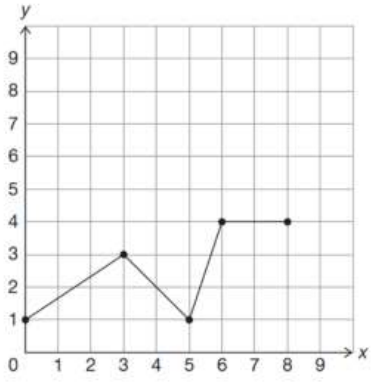


What do these bars mean?

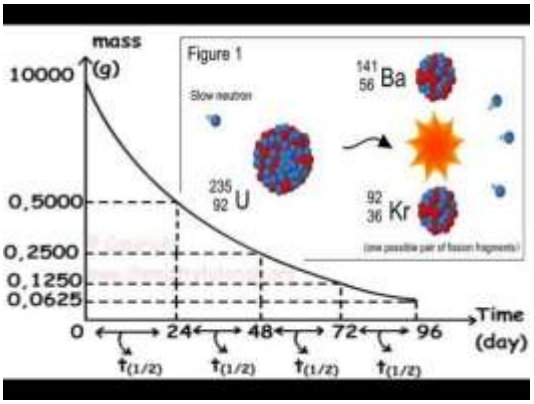
Why does this make sense?

What genius created this?

If you won the lottery, would you take the lump sum of $1,000,000 or $0.01 on day 1 and double your winnings for 30 days?

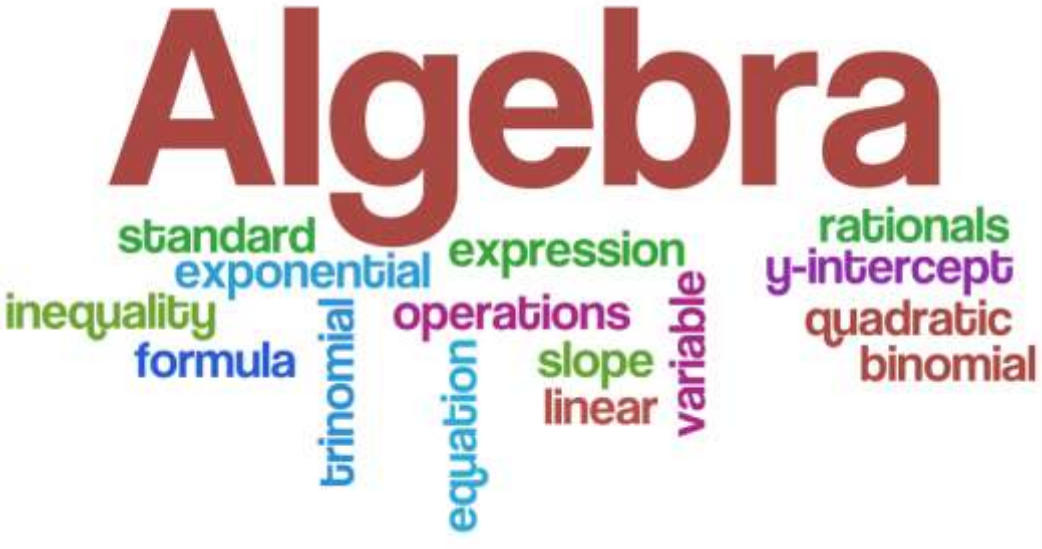


When would you need a graph like this?



Do we use math in other subjects?

We'll discuss these topics and more this year in ....



Working Together

Things You Should *Always* Do:

- **Keep an organized binder**
- **Be prepared to learn (pencil etc.)**
- **Use your agenda**
- **Turn in stuff on time**
- **Actively participate**
- **Use Pride Period effectively**
- **Be respectful to everyone**

Things I Should *Always* Do

- **Make sure you review your notes**
- **Be prepared to teach**
- **Make class interesting**
- **Be consistent and fair**
- **Give stuff back on time**
- **Get you ready for your tests**
- **Be respectful to everyone**

This year, we will look at different algebraic functions.

$f(x) = x$	$f(x) = x^2$	$f(x) = \|x\|$	$f(x) = 2^x$

For each of these functions, we will ask some of the following questions:

- What do the graphs look like?
- What are the important aspects of graphs?
- What is the domain and range?
- What are the solutions? What do they mean?
- How can I apply them to real world situations?
- How can I solve them?

AS WE GO, WE WILL COMPARE THE TYPES OF FUNCTIONS WE STUDY TO FIND SIMILARITIES AND DIFFERENCES.

Activities You'll Be Doing This Year

Gallery Walks

Philanthropic Chairs

Question Cubes

Four Corners

Venn Diagrams

Debriefing Circles

Fish Bowls