

Math + Literacy = Rich Learning

Integrating Reading, Writing, Speaking & Listening into Math Class

Thursday, April 4, 2019

4:30 – 5:30 PM

San Diego Convention Center Room 29D

Meg Knapik

megknapik@gmail.com



[@megknapik](https://twitter.com/megknapik)

megknapik.blogspot.com



Hello!

I am Meg Knapik.

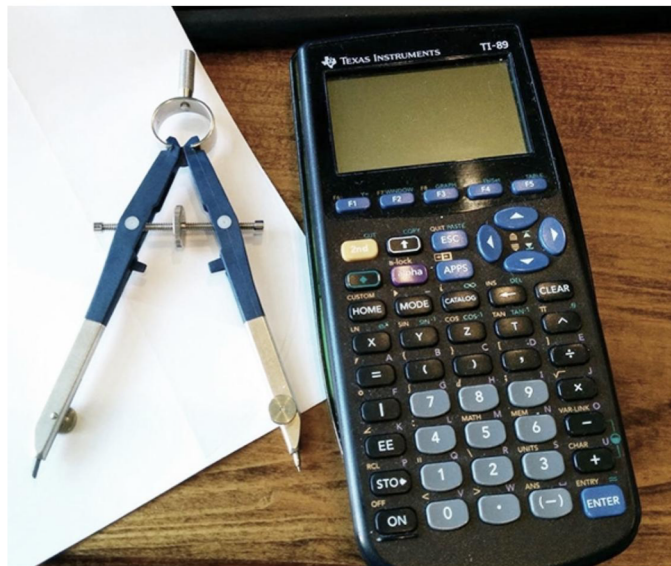
Currently: PreK - 8 Math Curriculum Coordinator & Specialist, GEMS World Academy Chicago

Past: K - 8 Director of Math, Middle School Assistant Principal, Adjunct Professor, 6 - 8th grade math teacher, author, speaker, life-long learner





week 21



Your baby is 10.5" this week.
That's about the size of a TI-89 calculator.



133

DAYS UNTIL BABY



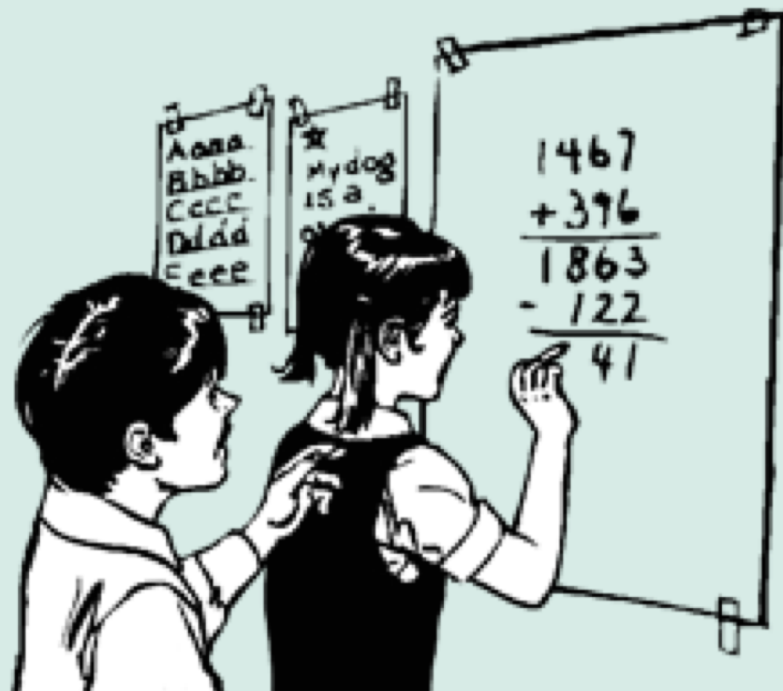


Who is in the room?

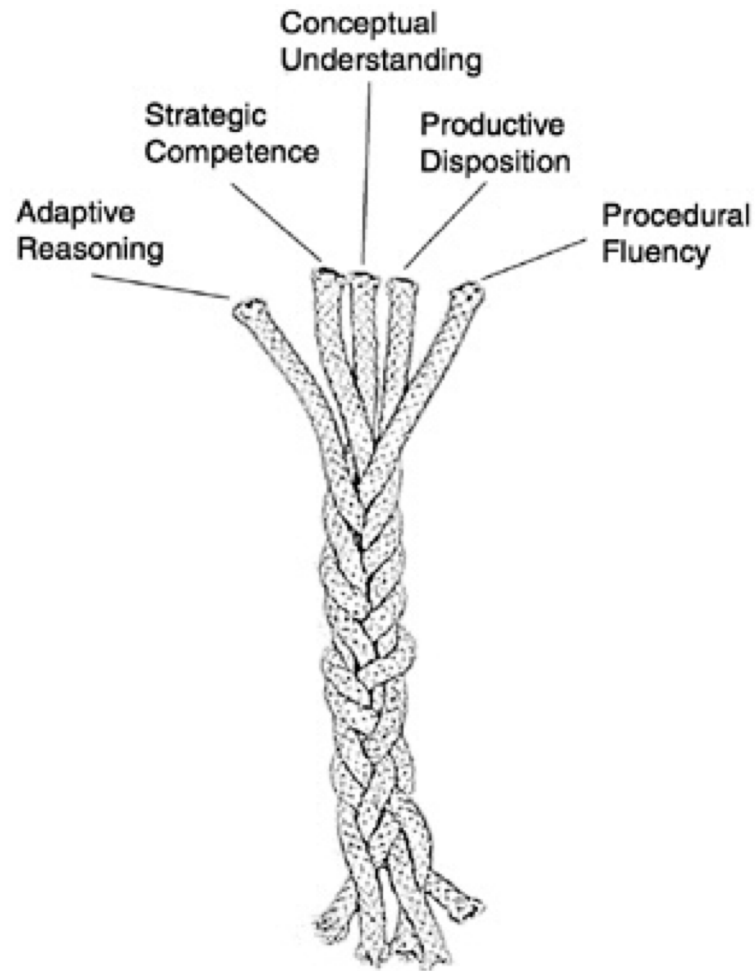
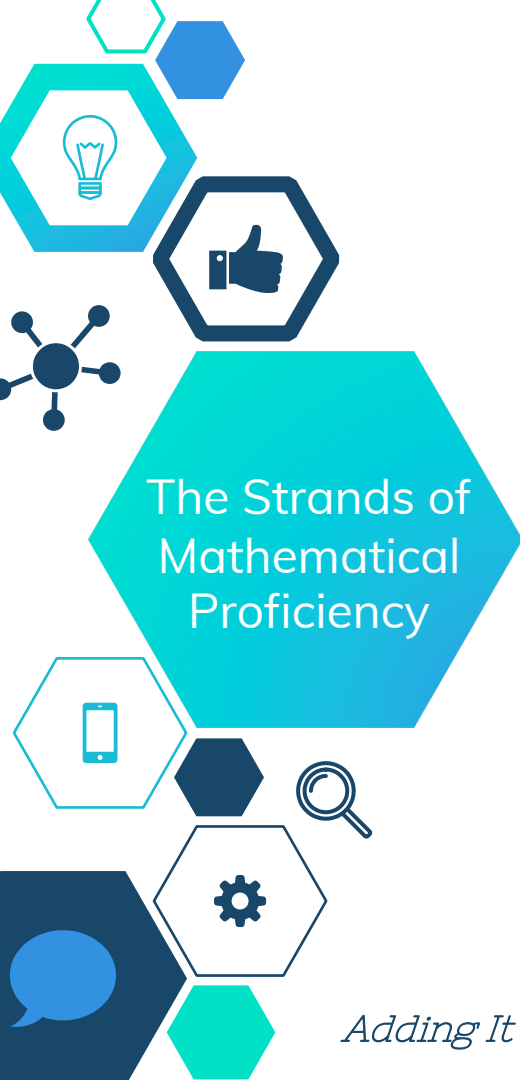
Let's get to know our classroom community.

"Are you taking a foreign language classes this year?"

"Yes, math."



som_{ee}cards
user card



Adding It Up: Helping Children Learn Mathematics, National Research Council (2001)



4 Tenets of Literacy





“When students use technology, they are not only **more motivated and engaged** in learning, but they are also gaining the **skills necessary for life** beyond the confines of school.”

—Jamie Diamond & Meg Gaier Knapik,
Literacy Lessons for a Digital World (2014)



Learning Targets

- ◇ Understand how literacy can activate & enrich student thinking in math
- ◇ Share purposeful ways to integrate the four tenets of literacy into a math class, both with & without technology





"What students already know about the content is one of the **strongest indicators** of how well they will learn new **information** relative to the content."

—Robert Marzano, *Building Background Knowledge for Academic Achievement* (2004)

"All learning involves transfer from **previous experiences**. Even initial learning involves transfer that is based on previous experiences and prior knowledge."

—National Research Council, *How People Learn: Brain, Mind, Experience, and School* (2000)

Negative Numbers

Where do you find negative numbers in real life? Post ideas, hyperlinks, and pictures here.

Class
brainstorm
on Padlet!

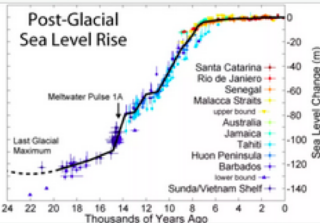
Michael
Less than 0 dollars = debt



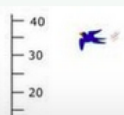
Dylan
Cash register



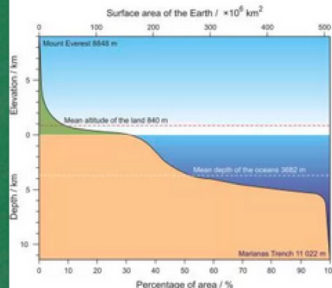
You find negative numbers when you talk about under sea level and above sea level



Vaibho



Elise



Devanshi

Below sea level

John

Negative is Greek, meaning other direction.

I find negative numbers

Michael

I found it at the train station when it said t-2 minutes

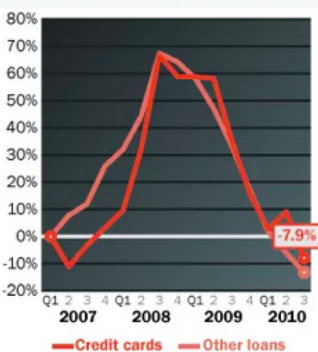
April

If you are in debt, you owe someone money

Eileen

I can find negative numbers when

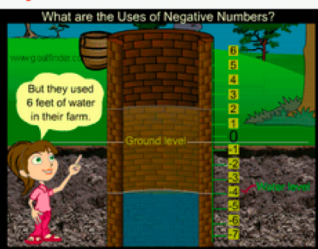
Xavier



Source: Federal Reserve Board

CreditCards.com

Niyanth



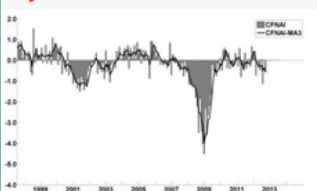
Isabel

You can find negative numbers in real life on a thermometer

Daisy

You find negative numbers when

Niyanth



Jack

You find negative numbers at work

Niyanth

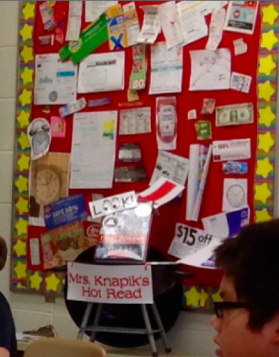
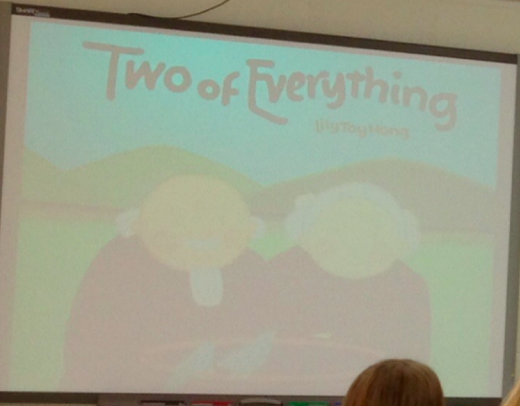
There are negative money in my bank account cause i don't have one

Josh F

I see negative numbers used in real life when stock market brokers handling their stocks.



Read alouds –
not just for
little kids!



NO
TEXTING/
E-MAILING

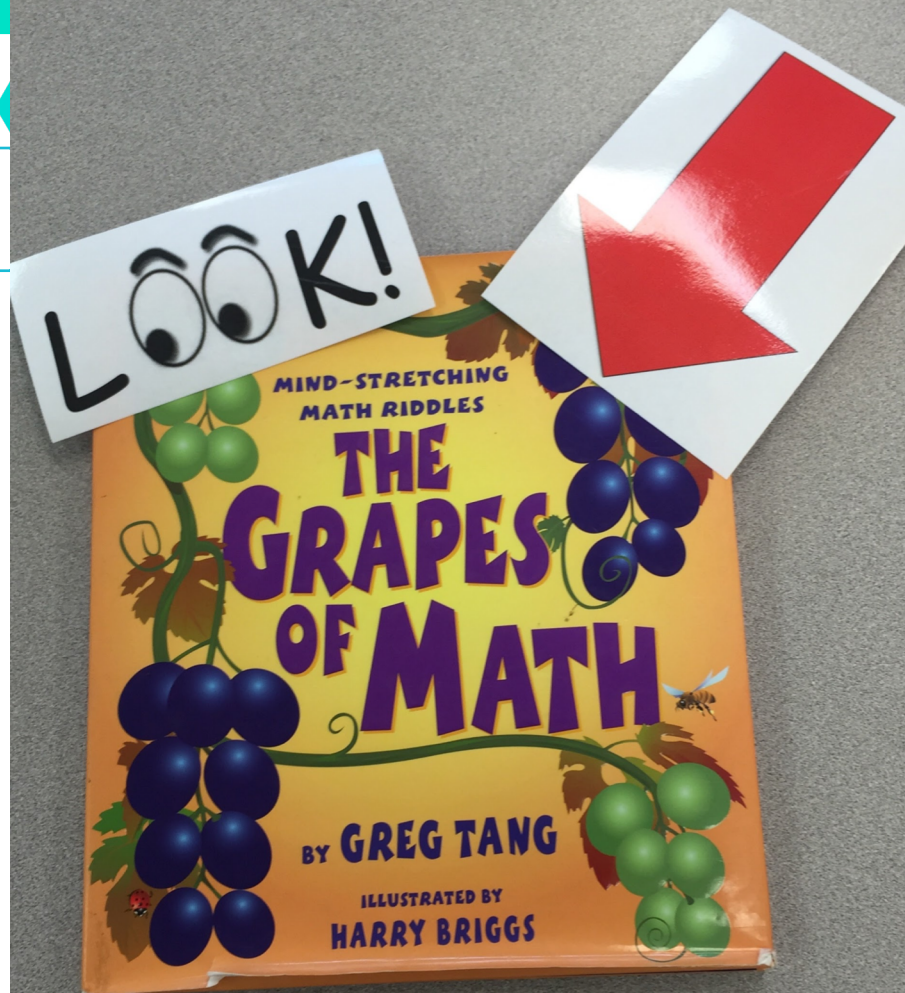
Complete
the
A reading teacher for
the future
Prime
the reading teacher for the future
the reading teacher for the future



All math
book shelf!

@megknapi





Highlight
special books



7/24/14

Our Word Wall

Let the students take charge!

Quotient

The quotient is the answer to a division problem.

$$12 \div 3 = 4$$

DECIMAL

Separating Whole numbers from Fractional parts.

1.3

DIVISION

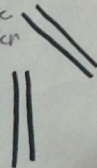
The act of separating something into parts, or the process of being separated.

$$\square \div 3 = \square$$

$$\square \div 2 = \square$$

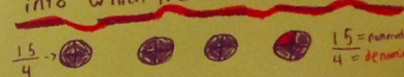
Parallel Lines

Parallel lines are lines that lie in the same plane and never intersect.



DENOMINATOR

The DENOMINATOR of a fraction is the quantity below the bar in a fraction. It tells the number of equal parts into which the whole is divided.



Algebra

(Al-juh-bruh)

Algebra is the mathematics of working with variables.

$$2(x-1) + 3x =$$

Multiple

A multiple of a number is the product of that number and any whole number.

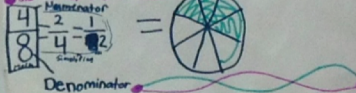
Exponent

An Exponent is a number or variable in an expression that represents how many times another number or variable in the expression is used as a factor in repeated multiplication.

$$2^5 = 2 \times 2 \times 2 \times 2 \times 2 = 32$$

Fractions

Fractions are a numerical quantity that is not a whole number. There are parts of a whole. Each piece is the same size. The bottom is a denominator and the top is a numerator.



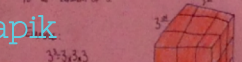
Addition

The process of putting two numbers together to get a sum.

(Example: $15 + 6 = 21$)

CUBE

OF A NUMBER



Least Common Multiple

30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168, 174, 180, 186, 192, 198, 204, 210, 216, 222, 228, 234, 240, 246, 252, 258, 264, 270, 276, 282, 288, 294, 300, 306, 312, 318, 324, 330, 336, 342, 348, 354, 360, 366, 372, 378, 384, 390, 396, 402, 408, 414, 420, 426, 432, 438, 444, 450, 456, 462, 468, 474, 480, 486, 492, 498, 504, 510, 516, 522, 528, 534, 540, 546, 552, 558, 564, 570, 576, 582, 588, 594, 600, 606, 612, 618, 624, 630, 636, 642, 648, 654, 660, 666, 672, 678, 684, 690, 696, 702, 708, 714, 720, 726, 732, 738, 744, 750, 756, 762, 768, 774, 780, 786, 792, 798, 804, 810, 816, 822, 828, 834, 840, 846, 852, 858, 864, 870, 876, 882, 888, 894, 900, 906, 912, 918, 924, 930, 936, 942, 948, 954, 960, 966, 972, 978, 984, 990, 996, 1000

Square

The value of the number raised to the exponent of 2.

Multiple

A multiple is a number that can be divided by another number without a remainder.

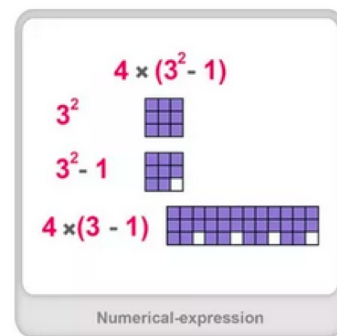
Square

Square root is the number that when multiplied by itself gives the number.

Math vocabulary

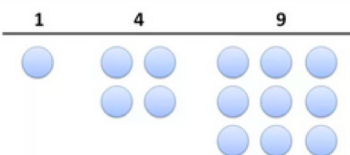
Numeric express

A numeric expression is a expression that consists only of numbers with operation symbols.



Square of a number

A the product of a number times its self



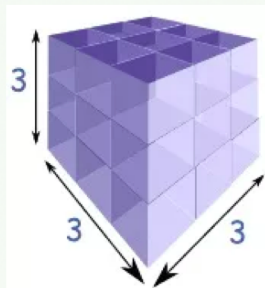
Decimal

a decimal is a part of a number by ten.



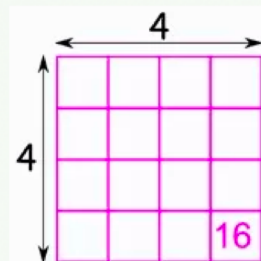
Perfect cube

A perfect cube is a cube that as the Sam length on each side



A perfect square

the product of a whole number times its self



Prime

when a number is prime it means it can only be divided by one and itself.



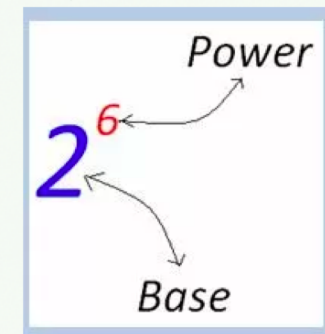
Cube root

The cube root is the opposite of when you cube a number you have a number and see what goes in to it three times a that is the cube root of the number



Base

The number that is going to be used to the power



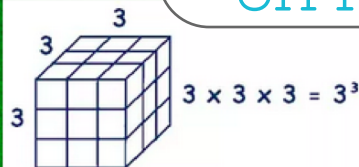
Composite

A number that can be divided by more then one a itself.



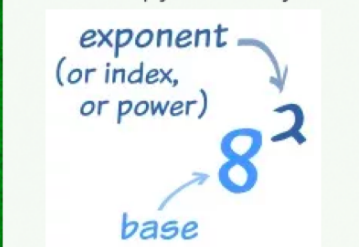
Cube of a number

When you cube a little tree in the that you multipl itself three time



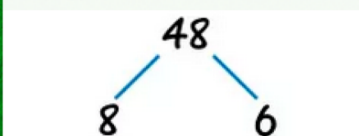
Exponent

An exponent tells you how many times to multiply a number by itself



Prime factorization

Breaking up a number into its prim factors.

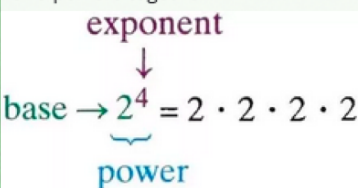


Individual visual glossaries on Padlet!

$$\sqrt{25} = 5$$

Power

The powers is sort of like both base and powere together



Multiple

A number that can be divided by another number with out a remainder usually divided by a number you are looking forv

Multiples of 3:

0, 3, 6, 9, 12, 15, 18, 21, 24, ...

Multiples of 4:

0, 4, 8, 12, 16, 20, 24, 28, ...



“Each content teacher is responsible for showing students how to use **discipline-specific literacy skills** as a tool for accessing content and, with a sigh of relief, incorporating reading strategies only when they make sense within the discipline.”

—ReLeah Cossett Lent,

This is Disciplinary Literacy (2016)



Leverage
social media,
newspapers,
TV, & online
images!

@megknapiK



ChicagoFed

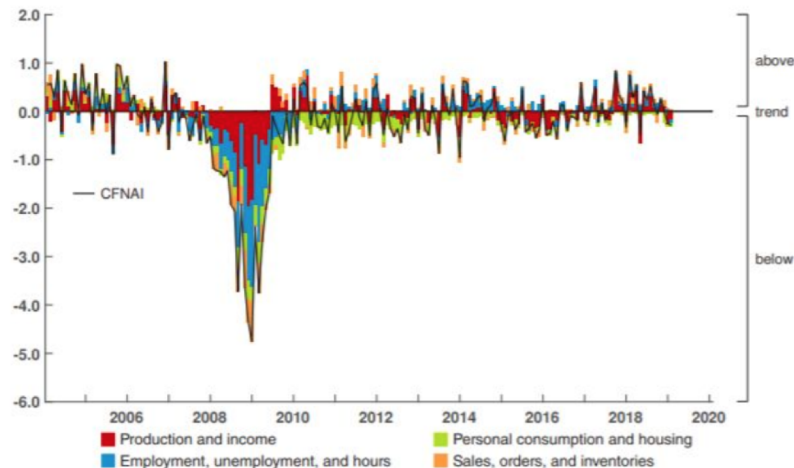
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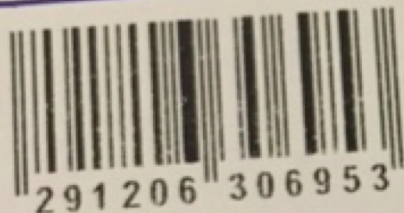
Chicago Fed National Activity Index slipped to -0.29 in Feb, down from -0.27 In Jan, suggesting little change in [#economic](#) growth. While production improved to -0.16 in Feb from -0.29 in Jan, [#employment](#) dropped from +0.07 in Jan to -0.07 in Feb. [#CFNAI](#) bit.ly/2HAI5Dx

Chicago Fed National Activity Index, by Categories



8:37 AM - 25 Mar 2019

FARMED GARLIC CHILI TILAPIA
PRODUCT OF NICARAGUA
PROCESSED IN USA



USE BY
NOV 23

NET WT. lb

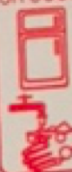
\$6.95

PRICE PER lb

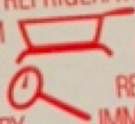
TOTAL PRICE \$

SAFE HANDLING INSTRUCTIONS

THIS PRODUCT WAS PREPARED FROM INSPECTED AND PASSED MEAT AND/OR POULTRY. SOME FOOD PRODUCTS MAY CONTAIN BACTERIA THAT COULD CAUSE ILLNESS IF THE PRODUCT IS MISHANDLED OR COOKED IMPROPERLY. FOR YOUR PROTECTION, FOLLOW THESE SAFE HANDLING INSTRUCTIONS.



KEEP REFRIGERATED OR FROZEN. THAW IN REFRIGERATOR OR MICROWAVE.
KEEP RAW MEAT AND POULTRY SEPARATE FROM OTHER FOODS. WASH WORKING SURFACES (INCLUDING CUTTING BOARDS), UTENSILS, AND HANDS AFTER TOUCHING RAW MEAT OR POULTRY.



COOK THOROUGHLY.
KEEP HOT FOODS HOT.
REFRIGERATE LEFTOVERS IMMEDIATELY OR DISCARD.

Table 74/1
Guests: 7
Reprint #: 1
Area: MAIN DINING

9:40 PM
60043

Miso Hungry (2 @4.00)	8.00
Beet Salad	9.00
Crudo	16.00
Squash Blossom	13.00
Chickpea (2 @11.00)	22.00
Halibut	18.00
Goat Empanadas	16.00
Dumplings	15.00
Octopus	15.00
Scallops (2 @17.00)	34.00
Cauliflower	11.00
Pig Face	16.00
Choc	8.00

Subtotal	201.00
Tax	21.11

Total	222.11
-------	--------

Balance Due	222.11
-------------	--------

Thanks for Dining at the Goat!

Biggest Snowstorms



Make at least three mathematical observations.

Write & answer a statistical question based on this data.

What do you notice? What do you wonder?



Go-To Resources

[NY Times What's Going on in This Graph](#)

[Visual Capitalist](#)

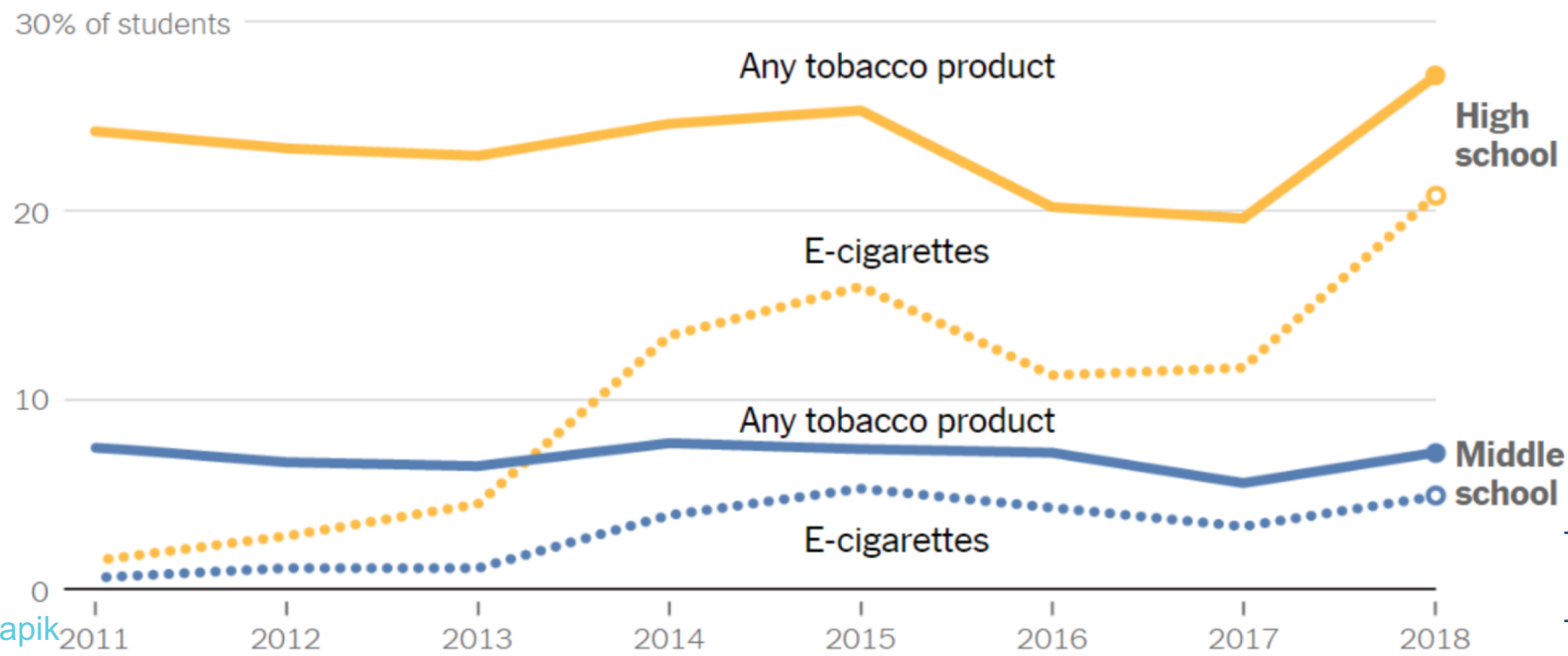
[Wall Street Journal](#)

[Gapminder](#)



WHAT'S GOING ON IN THIS GRAPH?

What's Going On in This Graph? | March 6, 2019





This Fascinating World Map was Drawn Based on Country Populations



This World Map was Drawn Based on Country Populations

To view this map at a higher resolution to see countries and data with detail, [click here](#)

It's likely you're very familiar with the standard world map.

It's shown practically everywhere – you'll see it online, on the news, in books, and even as a part of company logos. In fact, the world map is so ubiquitous that we don't even really think about it much at all, really.

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Home World U.S. Politics Economy Business Tech Markets Opinion Life & Arts Real Estate WSJ. Magazine



What's News

Facebook Charged With Violating Fair Housing Laws

The Department of Housing and Urban Development said it was charging Facebook with violating fair housing laws by enabling real-estate companies to improperly limit who can view ads on its platform. 70

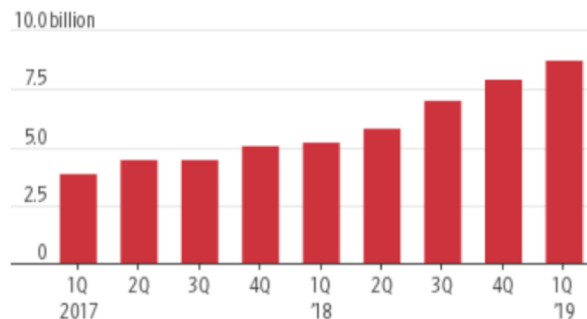
China Floats Cloud Concession to Foreign Tech Firms in U.S. Trade Talks

China is offering foreign tech firms better access to its cloud-computing market, as Beijing fashions a compromise in a sector



@megknapiK

Estimated number of robocalls in the U.S.



Note: Data for 1Q 2019 through 3/25

Source: Hiya

The FCC Has Fined Robocallers \$208 Million. It's Collected \$6,790.

America's telecommunications regulators have levied hefty financial penalties against illegal robocallers and demanded that bad actors repay millions to their victims. But years later, little money has been collected. 71



The Yankees' Lost Decade



Floods Deal a New Blow to the

Markets

U.S.	EUROPE	ASIA	FX	RATES	FUTURES
					1D
					5D
					3M
					6M
					1Y

DJIA	25676.52	50.93	0.20
S&P 500	2812.44	7.07	0.25
Nasdaq	7664.27	20.90	0.27
Russell 2000	1527.15	4.92	0.32
DJ Total Mkt	28975.64	90.28	0.31

Mar 28 '19, 9:52 AM EDT

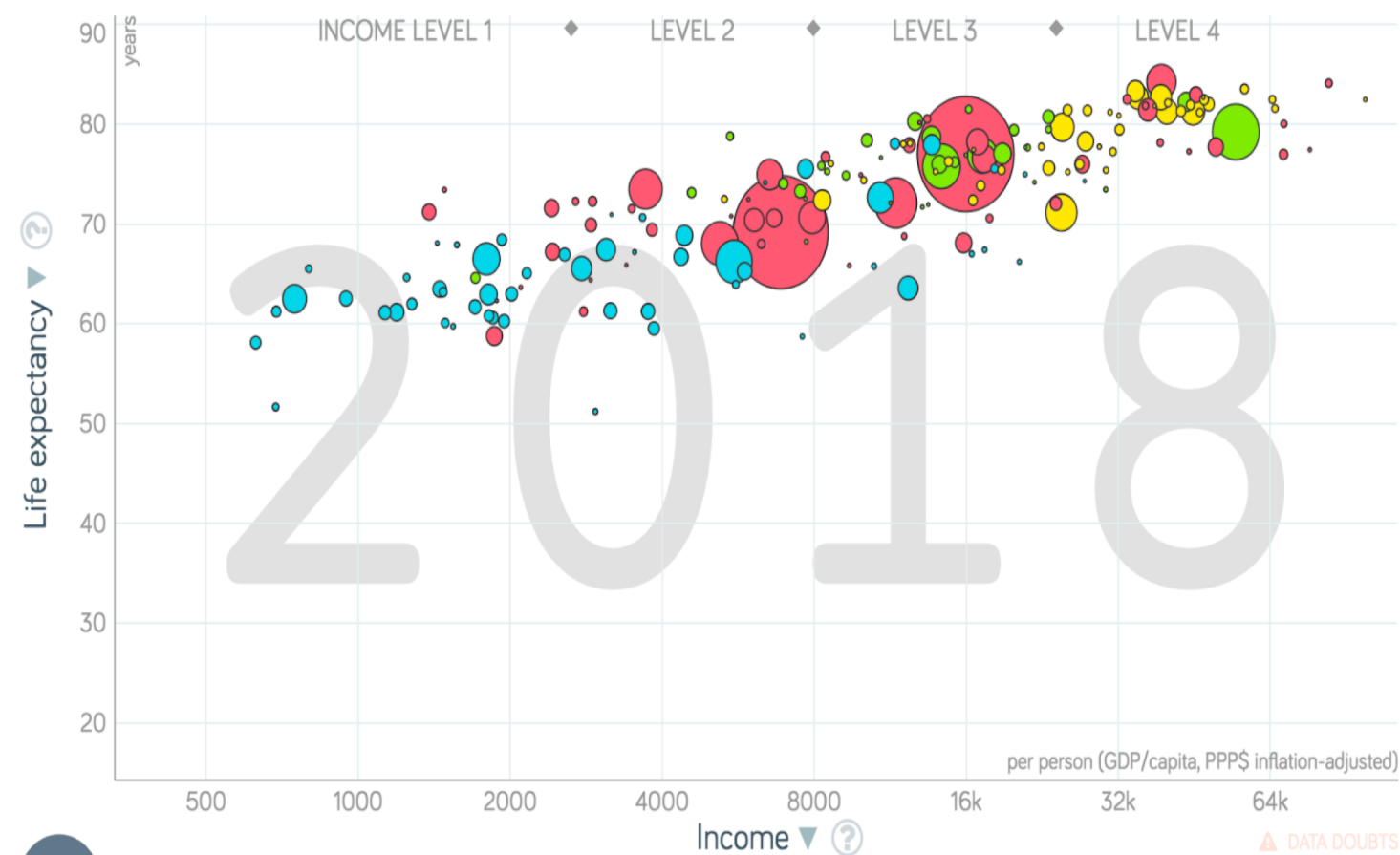
MARKETS

Opinion

The Terminator Democrats

By Daniel Henninger | Wonder Land

Tax Reform Is No 'Sugar High'



Color

World Regions



Select

Search...

- ☐ Afghanistan
- ☐ Albania
- ☐ Algeria
- ☐ Andorra
- ☐ Angola

Size

Population



Zoom



OPTIONS



PRESENT



EXPAND

DATA DOUBTS



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What
would
you do?



@megknapik

Look for
math in
articles.

@megknarik

A woman prepares to eat a chocolate topped with an insect in a chocolaterie in Villers-les-Nancy, north-eastern France. At left, wax worms on toothpicks for dipping in a melted chocolate fountain – AFP / Getty Images / AP photo



Would you eat chocolate-covered bugs?

Lemann said the FDA allows 60 or more microscopic insect fragments for each 100 grams of chocolate. So it's not a huge leap to just go ahead and include a whole bug.



By Stacey Plaisance | Associated Press

The menu includes crickets and wax worms on toothpick skewers for dipping in a fountain of melted chocolate. It also includes "tarsal toffee" made with bug legs and mealworms, and fudge infused with crickets and marshmallows.



Should you take your \$750 million Powerball jackpot as a lump sum or annual payments?

Janna Herron, USA TODAY

Published 3:10 p.m. ET March 27, 2019 | Updated 6:53 p.m. ET March 27, 2019



If you win the lotto, you may give some of your enormous loot to close family and friends but you'll also have to fork some over to the IRS. Buzz60's Mercer Morrison has the story Buzz60

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POPULAR STORIES



Report: Walgreens to sell CBD in 1,500 stores



“Students and adults are much **more engaged** when they are given **open math problems** and allowed to **come up with methods and pathways** than if they are working on problems that require a calculation and answer.”

—Jo Boaler,

Mathematical Mindsets (2016)

Types of Math Journaling

Descriptive

“Show and describe to me the best method, in your opinion.”

Evaluative

“Out of these two methods, which method is better and why.”

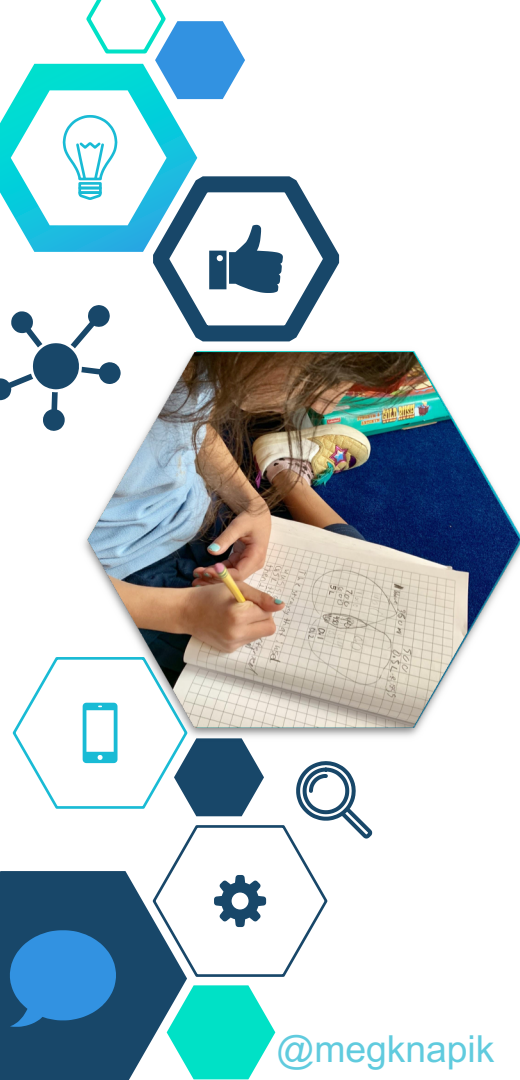
Creative

“What is a story to go with $300 - 125$?”

Investigative

“Which works because the number is 125?

Which method works for any value?”





Think, Write, Pair, Share

After independent work time, students write to explain their strategy so far, both successful and unsuccessful attempts. Students then have time to pair up with someone to share, compare, and continue working together before coming back together as a class to discuss.





Self-Assessment & Reflection

- What did you try already?
- Was it successful? Why or why not?
- What will you do differently next time?



Discussion Boards

Students reflect in an online classroom discussion on the day's learning and key takeaways. After they post, they can read and comment on the responses of others.





Dec 12, 2018

I think the best coupon for the chair is the 20% off one. I think this because if the price is over \$100 then the numbers that the percentages will be bigger. For example in this problem the \$20 off coupon would've made the price \$109.99, but the 20% off coupon would've made the price \$102.99. However in the Converse example, I would use the \$20 dollars off because with that it would be \$19.99 but the 20% off would give you \$32.99

<https://docs.google.com/document/d/1PnK->



Julieta

Yesterday

For commutative I looked for whether or not the numbers had been switched in order.

For property of 0 I looked for a number multiplied by 0 and an answer of 0.

For associative property I looked for the way the numbers were grouped/represented.

For distributive property I looked for a simplified version of an expression.

For identity property I looked for an answer that was the same as one of the numbers that were being added.

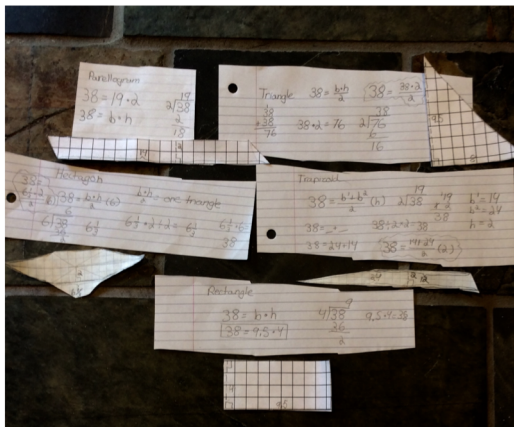


Taking It to the Next Level: Student Blogging

Shapes with the area of 38 square units



By Peyton on May 11, 2016

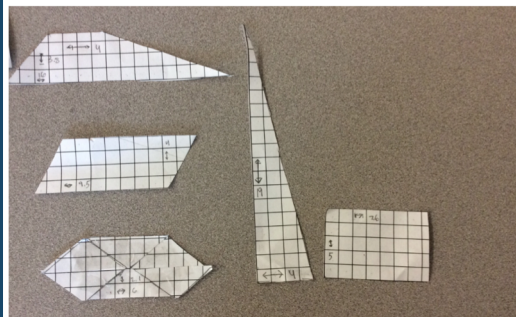


We found a area of a figure and then had to put the area into a triangle, parallelogram, rectangle, trapezoid, and hexagon. The area of the figure is 38 square units. First to find the base and height of the triangle with an area of 38. I doubled 38 because the area formula for a triangle is base times height divided by two, so if I doubled 38 I could then divide it by two and still get 38. So 38 times two is 76, then I can find factors for 76. I found 9.5 and 8. So 9.5 times 8 = 76 and then 76 divided by 2 is 38. So overall the height of the triangle is 9.5 units and the base is 8 units.

Area of a Hexagon, Triangle, Rectangle, Parallelogram, and a Trapezoid



By Joshua on May 11, 2016



In the shape above, I divided the composite figure into four different polygons: two rectangles, and two squares. The top rectangle has a side length of 4 units, and the width is 5 units. To find the area of a rectangle, we need to multiply the base times the height, to get the area. I did that. 4 multiplied by 5 is 20. Next, I found the area of the lower rectangle. The width stays the same for this rectangle, but the length does not. The length of the section that has been separated off by the first rectangle is 2. So that is the length for our second rectangle. 2 multiplied by 5 is 10. Now, I need to find the area of the two squares on the sides of the composite figure. I know that the formula to find the area of a square is just the side lengths squared, and so that is what I will do. The side length of the one of the two squares is 2, and so 2 squared is 4. Since both squares in the sides are identical, or the same, I will add 4 and 4 together to get the total area of the two squares, since they are identical. 4 plus 4 is 8, and so that is the area of the two squares. Now I need to find the total area of the composite figure. 20 plus 10, (for the two rectangles) is 30. And 30 plus 8, (for the two squares) is 38. So that is the area of this composite figure.

Kidblog

Blogger

edublogs

Check your
LMS!

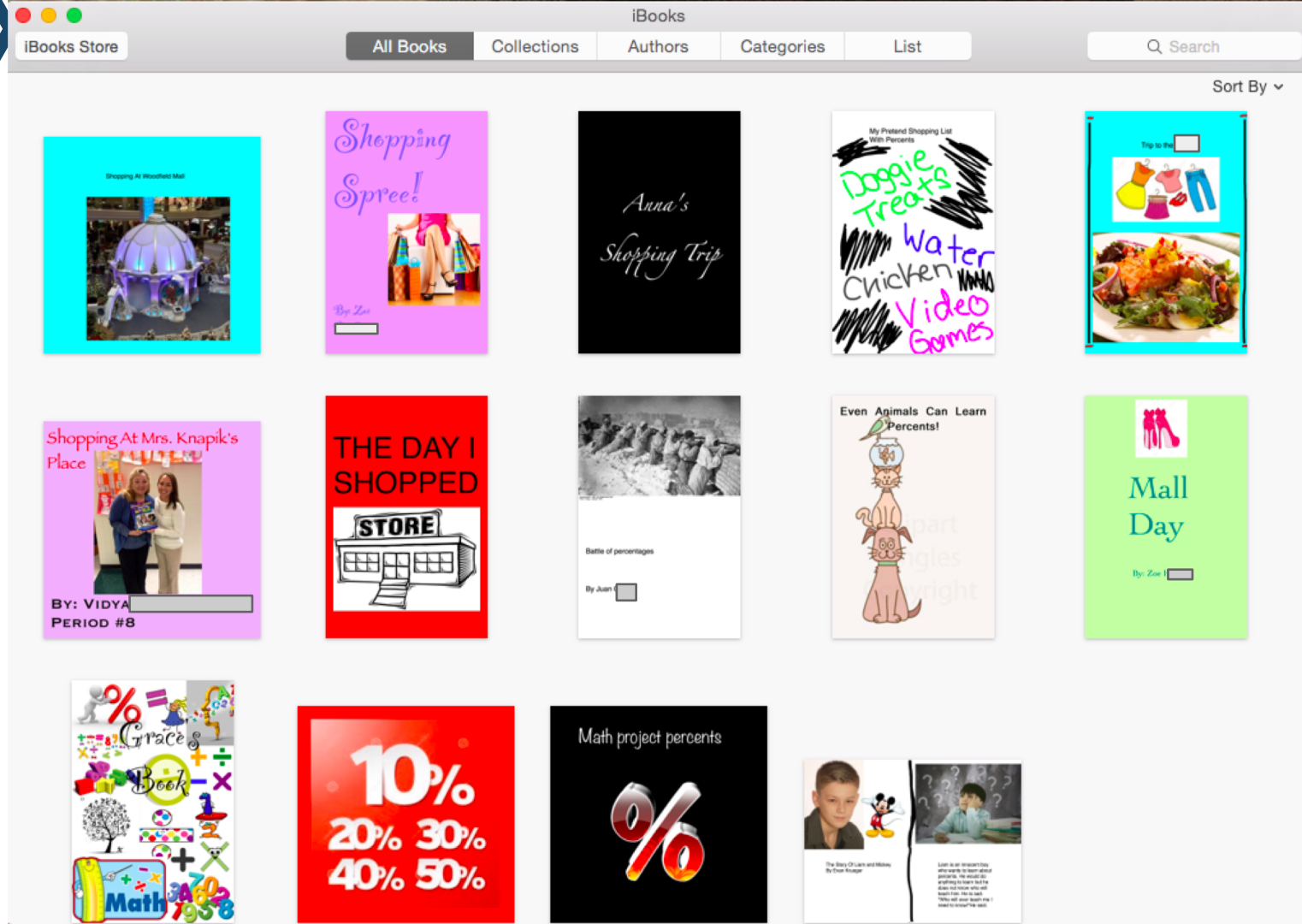
36 @megknapik



“The powerful thinkers in today’s world are not those who can calculate fast, as used to be true; fast calculations are now fully automated, routine, and uninspiring. The powerful thinkers are those who make connections, think logically, and use space, data, and numbers creatively.”

—Jo Boaler,

Mathematical Mindsets (2016)



I've finally saved up \$125! Time to go shopping! But first, my mom, being the practical woman that she is, told me I could not use more than my \$125. Bummer! Guess I'm going to have to stay within my budget. When I arrived at the mall, I immediately ran into my favorite clothing store...Old Navy! There was this ADORABLE pair of flip flops! Perfect for this warm weather! The shoes cost \$5.00. But that was when I noticed that there was a 20% discount. I wonder how much they cost now?

OLD NAVY



**20%
OFF!**

First, to find my discount, I need to divide \$5.00 by 10 to find 10%. Then, I multiply the result by 2. My product is what I subtract from the original price, or my discount.

$$\begin{array}{l}
 1. \quad \begin{array}{r} 0.500 \\ 10 \overline{) 5.00} \end{array} \quad 2. \quad \begin{array}{r} 0.500 \\ \times \quad 2 \\ \hline \$1.000 \end{array} \quad 3. \quad \begin{array}{r} \$5.00 \\ - \$1.00 \\ \hline \$4.00 \end{array}
 \end{array}$$

DISCOUNT

"Remember the sales tax!" My mom reminded me. "It is 8% of your total cost." I forgot! Now I need to calculate how much I will have to pay INCLUDING sales tax. So now I need to divide my \$4.00 by 100 to find 1%. Then I multiply that by 8 to find 8% of my total cost. Finally, I need to add that to my total cost. Oh wait! I also need to subtract my total cost from \$125 to find out how much I have left to spend.

$$\begin{array}{l}
 1. \quad \begin{array}{r} 0.0400 \\ 100 \overline{) 4.00} \end{array} \quad 2. \quad \begin{array}{r} 0.0400 \\ \times \quad 8 \\ \hline 0.3200 \end{array} \quad 3. \quad \begin{array}{r} \$4.00 \\ + \$0.32 \\ \hline \$4.32 \end{array}
 \end{array}$$

32 cents!

$$\begin{array}{r}
 4. \quad \begin{array}{r} 4.90 \\ 4.125.00 \\ - \$4.32 \\ \hline \$120.68 \end{array}
 \end{array}$$





Student- created mathcasts

@megknapi



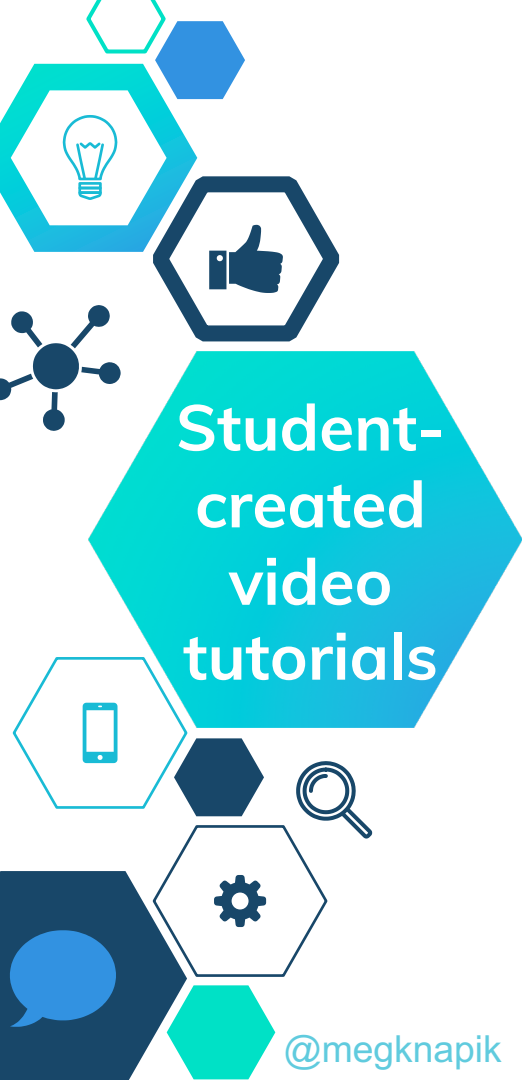
Garageband
(Apple)



Anchor
(Chromebook)



Audacity®
(PC)



My real world situation:

How will I visually model this?

How will I explain the problem? What important math vocabulary words will I include in my explanation?

How will I compute to show the correct answer with appropriate units?

Wakelet Example Idea



(Google Chrome)



Explain Everything
(\$ Google & Apple App)



Clips
(Apple)



Seesaw

(Google & Apple App)



iMovie
(Apple)



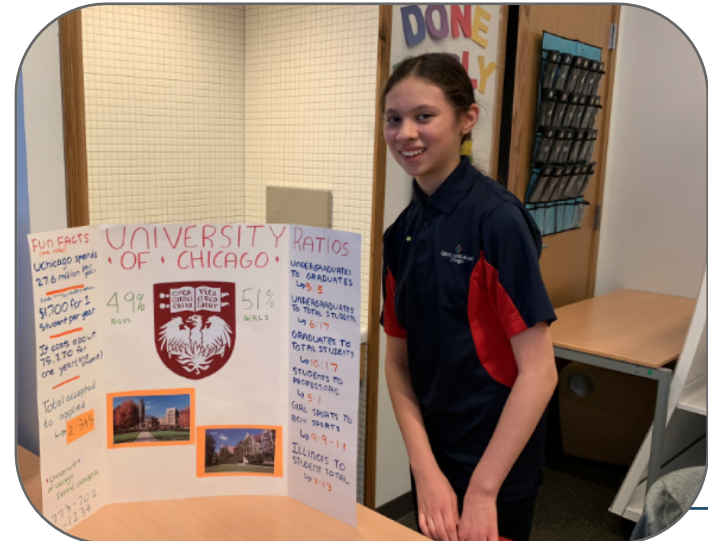
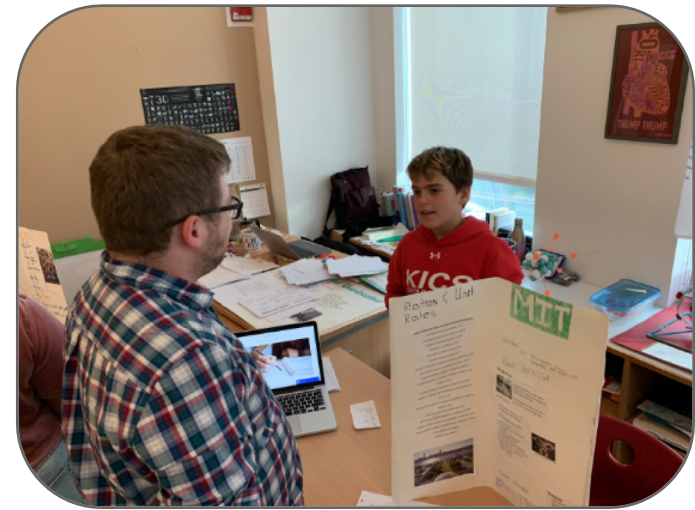
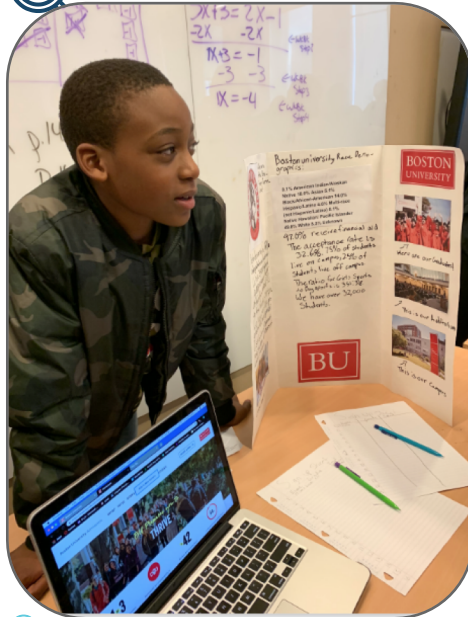
(Apple)

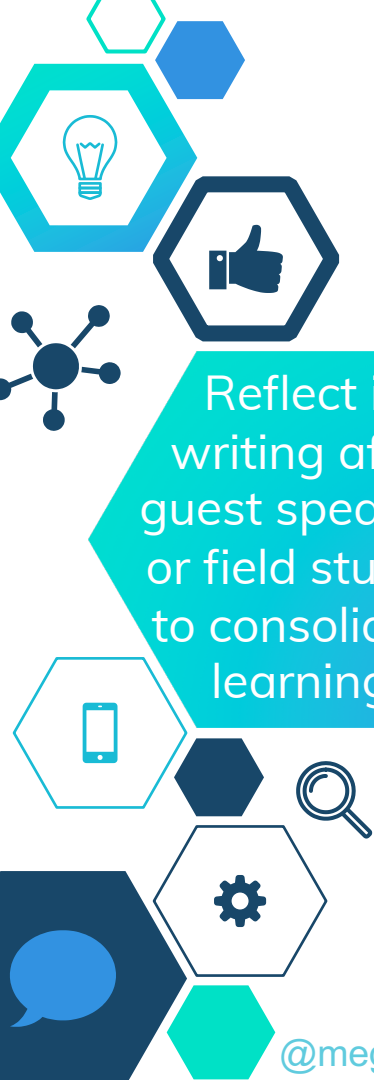




Simulate Real World Situations when Communication is Necessary

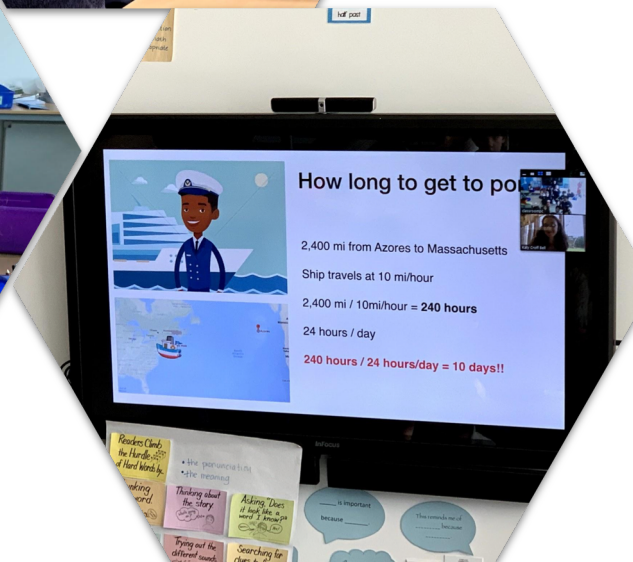
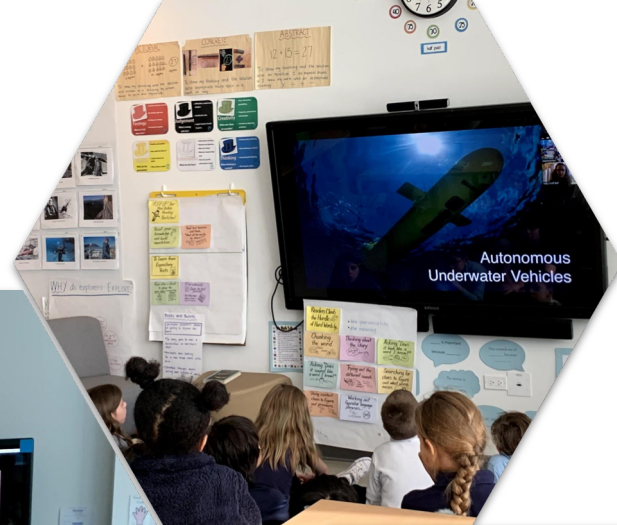
US Teacher Rebecca Zeni





Reflect in
writing after
guest speakers
or field studies
to consolidate
learning.

@megknapik





Oludare

1. What were your questions for Dr. Croff Bell?

What tools do you use for math? What risks have you took as an explorer?



Amore

1. What were your questions for Dr. Croff Bell?

How deep is the ocean? Why do you explore?



Angel'la

1. What were your questions for Dr. Croff Bell?

Why was your favorite part of the journey? & How long was your journey?

2. What did you learn about Dr. Croff Bell as an explorer?

I learned Dr. Croff Bell used graphs & math like division & addition.

3. What type of data can Oceanographers collect?

New & different specie data, sample data & math data.

4. How do ocean explorers use math to support their explorations?

How ocean explorers use math to support their explorations is by making calculations about how low they are & how much boiancy they have.

5. Can you make a connection between Dr. Croff Bell and any other explorers we have been learning about? I think Sylvia Earle has a good connection with Dr. Croff

Bell because they are both deep sea divers.



Research,
model,
extrapolate,
and write to
analyze
data!

US Example
Teacher
Richard Getzel
46 @megknapik

Figure 1. N

x_1
0
1
2
3
4
5
6
7
8
9
10

Figure 2. P
Correlation
M value: -9
B value: 34

The data I chose to base my graph off of was the number of children dying in the USA. This was a point of interest to me because it's curious to see the results. So, I generated a linear regression line from the site Gapminder. This would help predict what the number of child deaths would be if the correlation coefficient were created. One of them, the correlation coefficient, is a number that accurately fit the regression line. The closer that number is to 1, the more accurate it is (you can think of it like percentages, 1 being 100%). The correlation coefficient that I have for the line is .9871, meaning the data is very close to the line. Of course, it is not as good as 1, although 1 is hard to achieve because there are lots of variables that can affect it. The next value I want to discuss is the slope of the line. Thankfully, the slope is negative, approximately -9.6, meaning the number of children dying each year will decrease steeply as the year goes on. The value I want to discuss is the y-intercept or the b value. The y-intercept is the number of child deaths in 2005; however, because it's generated based on the data, the generated number is a prediction. This prediction was 34.

The indicator I chose measures how many young children die each year. I selected out of this topic, I figured out that there is a definition for the independent variable (year) and the number of child deaths (dependent variable). The correlation coefficient was pretty close to 1, and there were no outliers, so I could tell the points were going down. This conclusion makes sense because as older, humanity makes new advancements. For example, more vaccines have been developed, increasing the overall public health too. The correlation coefficient in the USA.

From my graph, I can tell the number of child deaths is decreasing dramatically. The amount is still quite big, but it's going down. Why the numbers are still so big is because young children are still dying. This is due to the fact that they aren't fully developed and their immune systems are not as strong as adults. They are also more prone to diseases than adults, so they are not as ready to combat viruses. My graph is basically saying that as technology gets better, making life-threatening accidents less likely, it might attribute to that are advances in locating tumors, genetic testing, and surgery. Surgery improvements are especially helpful in a life or death situation.

To get more information, I have done some research. In 2000s and beyond. I came across an interesting article that said that vaccines helped prevent death by measles and polio. The number of deaths by measles decreased by 74 percent globally because of my statement that an advance in medical science can greatly reduce the number of (especially child deaths). However, there is also some article that says that vaccines might cause people not to take them, leading to

it is not increased by much and is due to the fact that people don't understand how they work. It still remains that new vaccines and surgical procedures help save a lot of lives.

The results of my research did support my hypothesis. Most articles did indeed say that because of new medicines created, death rates did decrease since the old days. However, some did shed some light onto points that I originally didn't think of. These points included that some people were actually opposed against new medicine since it could be "dangerous", making them not take it, and that overuse of a vaccine causes it to be less effective. These two issues could be why the number of child deaths still remain a large number, not decreasing as fast as it should. Plus, child death could also be caused by other factors not curable by science as it is now.

I predict that by 2028, about 12400 children will die the day before age 5 in that year. This is based on the line generated from the data points I selected. I do believe that this is a possible value since it isn't 0, however, I'm sure it will not be exactly the amount I predicted. My research does support this because it states there are already so many new advances that are changing medical science today, and even more to look for in the future. The regression line generated will also continue to go down, however, I think it will flatten out or become less steep once it reaches 800 child deaths. This is because there are certain things that science cannot prevent, despite how advanced society is. Although, the future is uncertain and I might be wrong. Maybe humans will be that advanced someday.

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Class
Twitter
Account

@megknapik



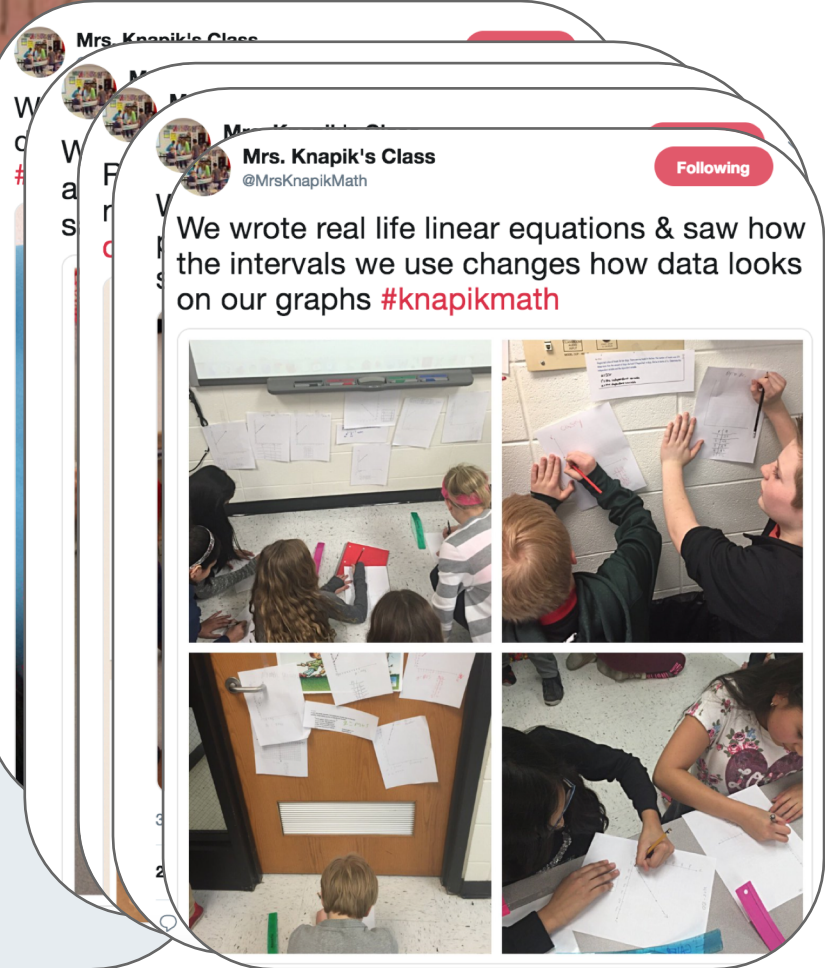
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in math in the real world, critical
and problem solving!

📍 Barrington, IL

📅 Joined February 2015





Twitter Time!

In 140 characters or less, send out a Tweet with some new learning or a takeaway from this session that you can implement in your classroom.

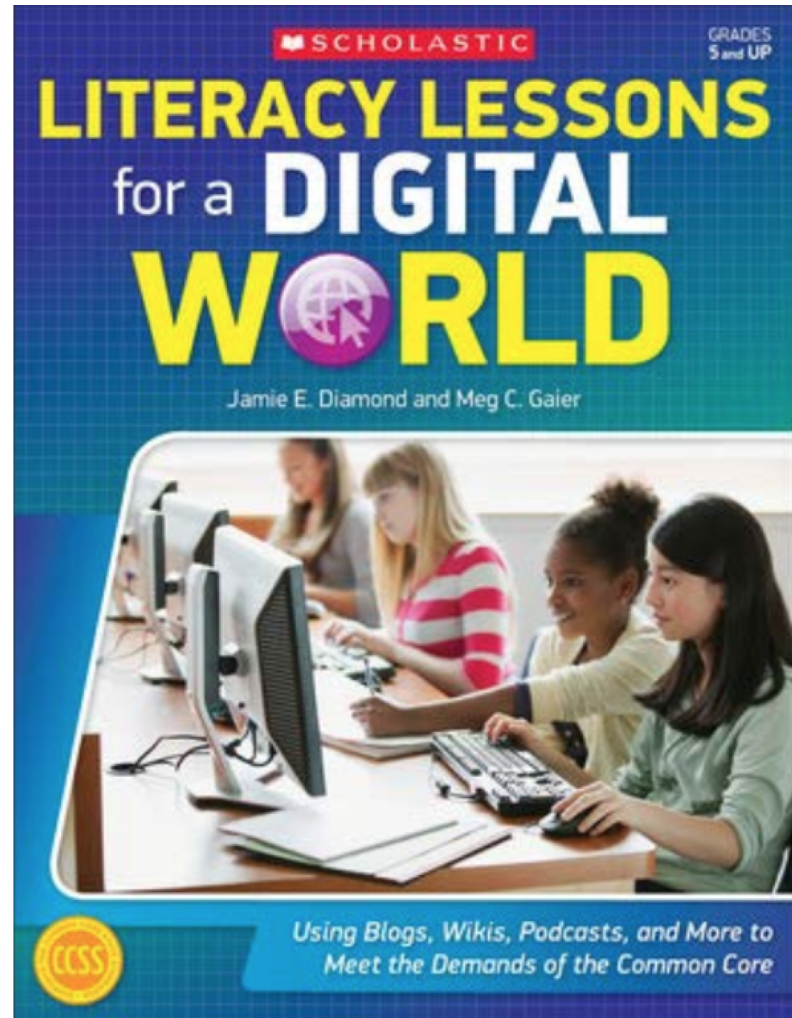


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Who has a birthday in
April?





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