

The "MathTwitterBlogoSphere": Creating Your Own Professional Learning Community

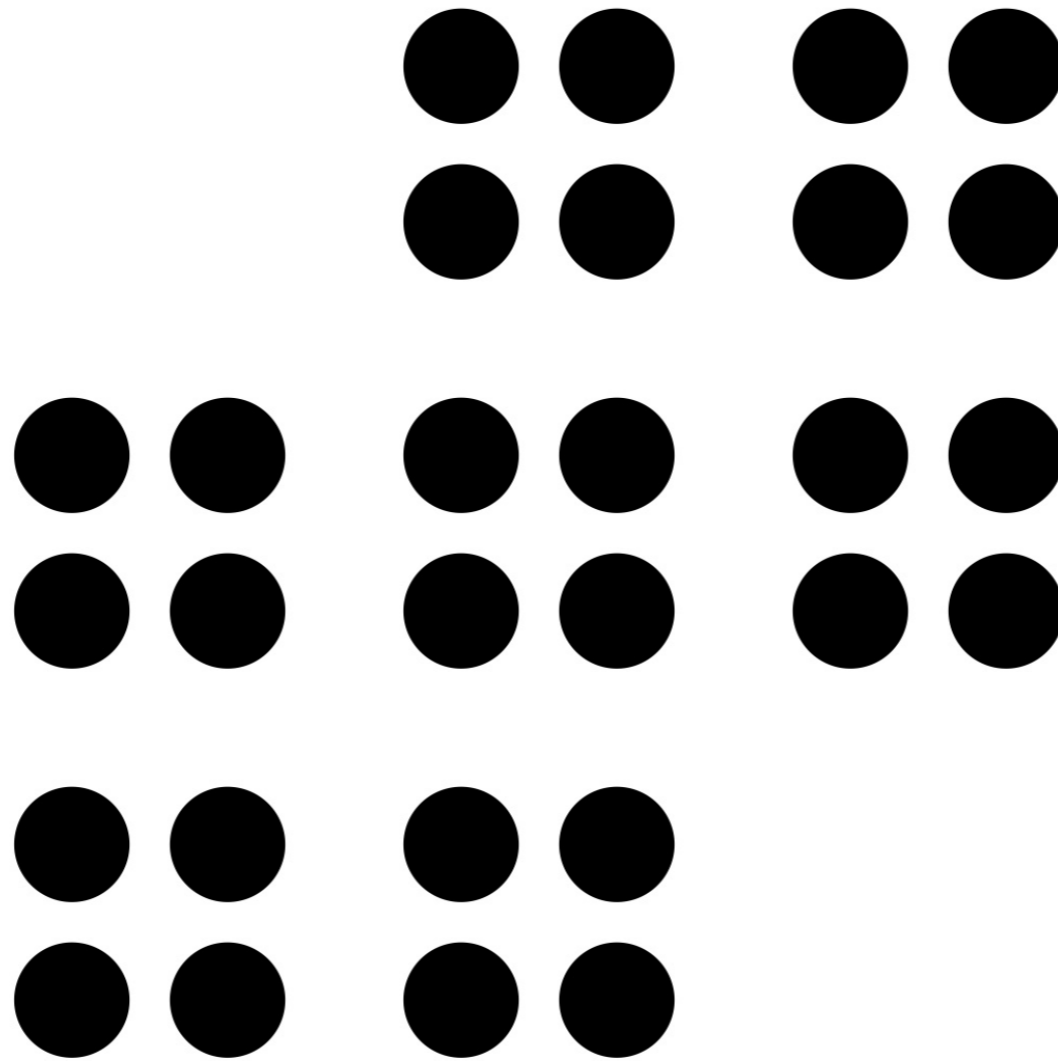
Chris Hunter · @ChrisHunter36

K-12 Numeracy Helping Teacher · Surrey Schools

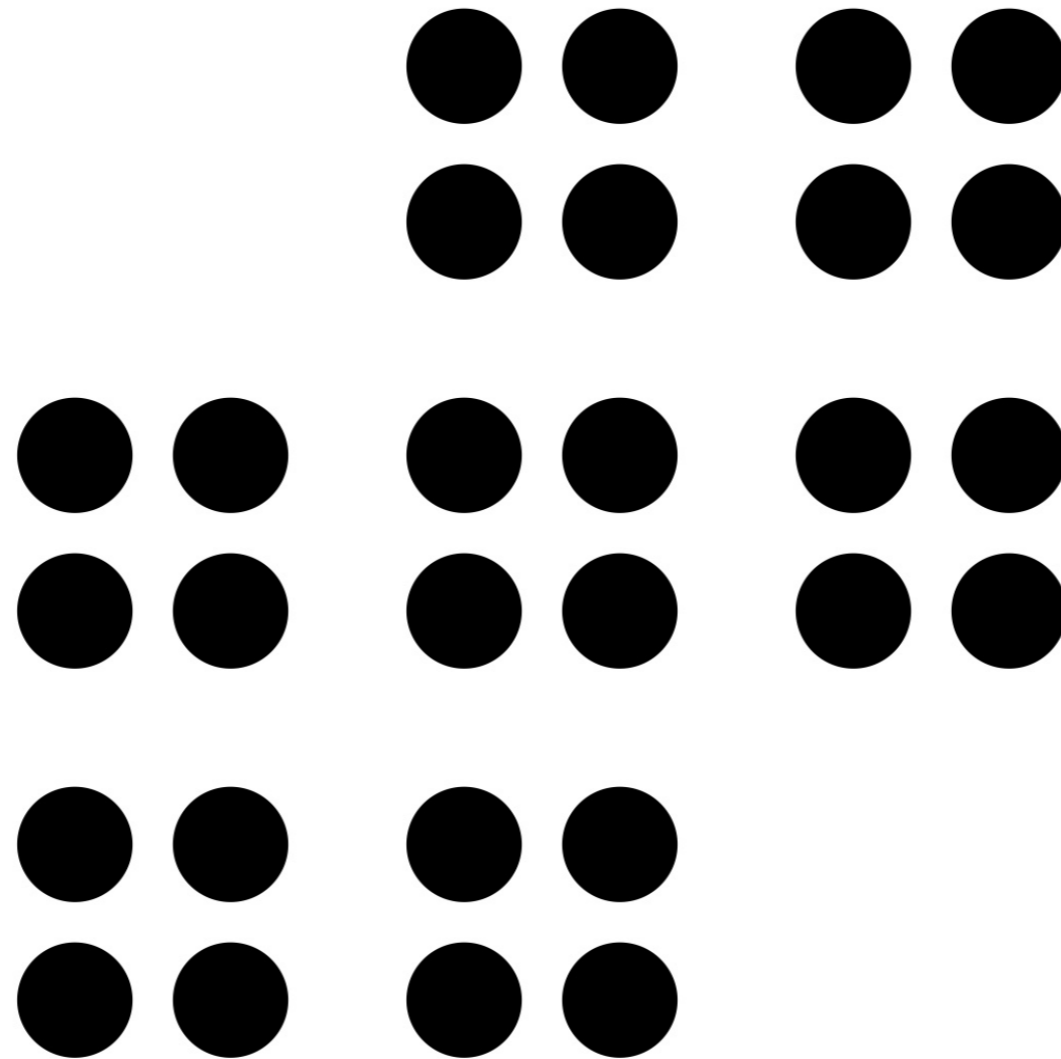
reflectionsinthewhy.wordpress.com/bcamt2017

BCAMT Fall Conference 2017 · Burnaby, BC

How many do you see?



How many do you see?



How do you see them?

Agenda

What is the “MathTwitterBlogoSphere”?

- #MTBoS Defined
- Who is the “MathTwitterBlogoSphere”?
- “Taken-As-Shared” Values

Why should I “join” the #MTBoS?

- Resources: Instructional Routines & Rich Tasks
- Professional Conversations
- Testimonials

How do I get started?

- Building Your PLC: Tweeps & Hashtags
- Exploring the “MathTwitterBlogoSphere”
- Norms & Expectations

What is the "MathTwitterBlogoSphere"?

- online ~~PLC~~ Professional Learning Community
- mathematics educators who tweet or blog
 - from Kindergarten to Calculus
 - from first-year teacher to forty-year veteran
 - diverse roles, contexts, and experiences
 - passion for teaching and learning mathematics
 - commitment to supporting one another

What is the "MathTwitterBlogoSphere"?

- **informal organization**
 - no "sign up" or official membership
 - no Board of Directors
 - department meetings that you want to attend
 - "professional development in your pyjamas"
- **collaborative**
 - co-created resources

#MTBoS

Frappuccino

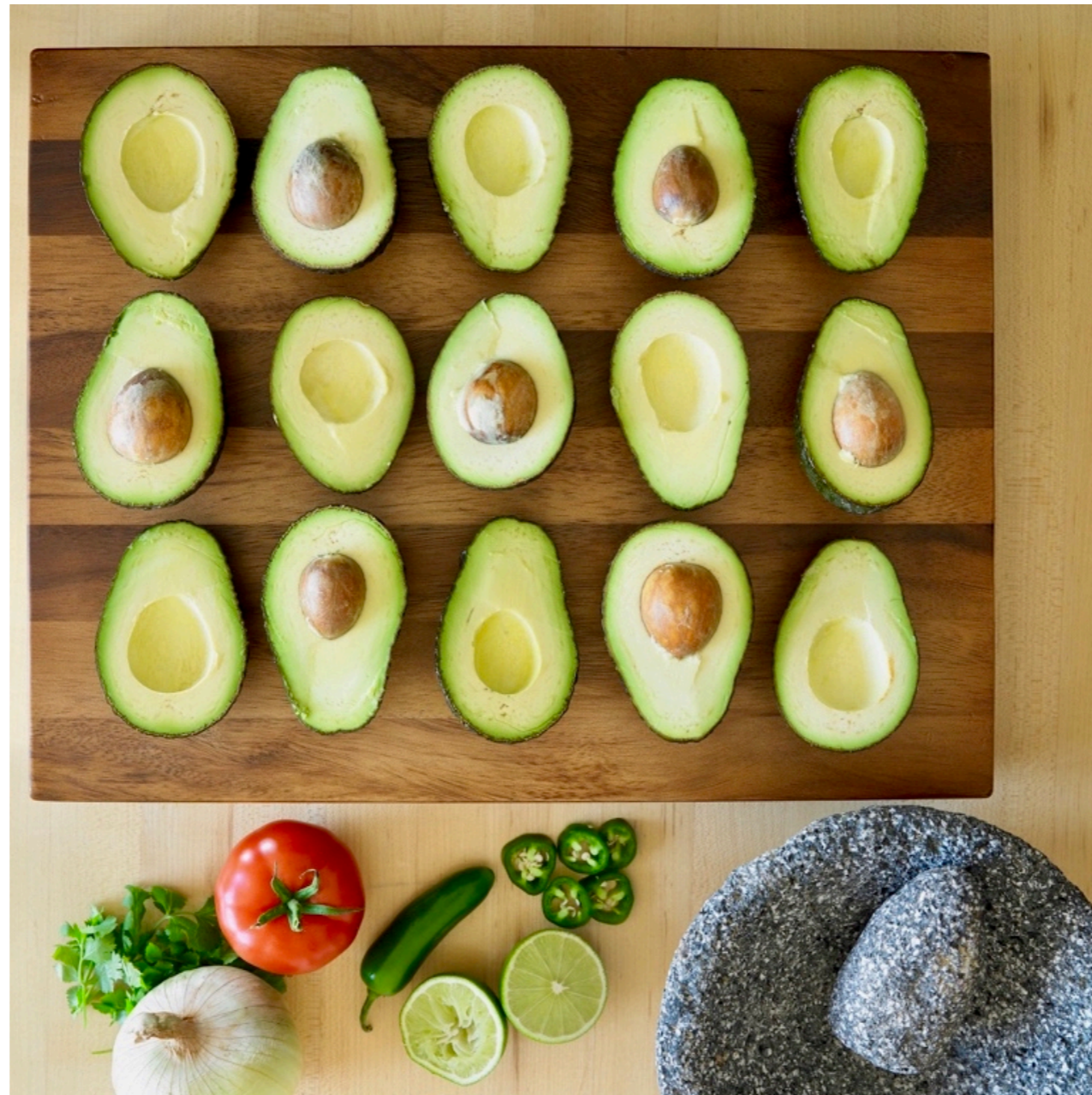
© 2015

youtube.com/pronunciationmanual

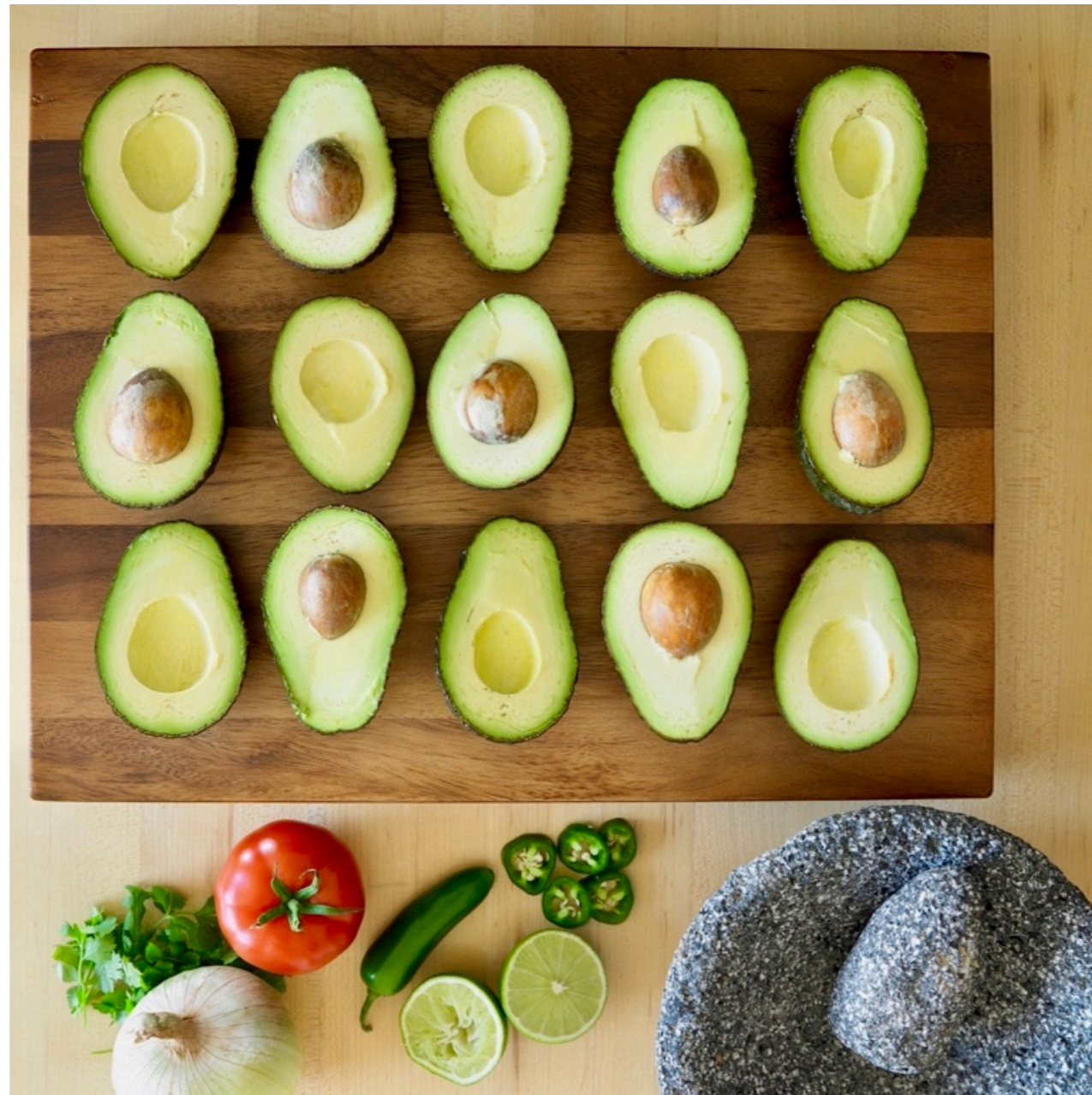
#MTBoS

“Mitt-boss”

How many do you see?

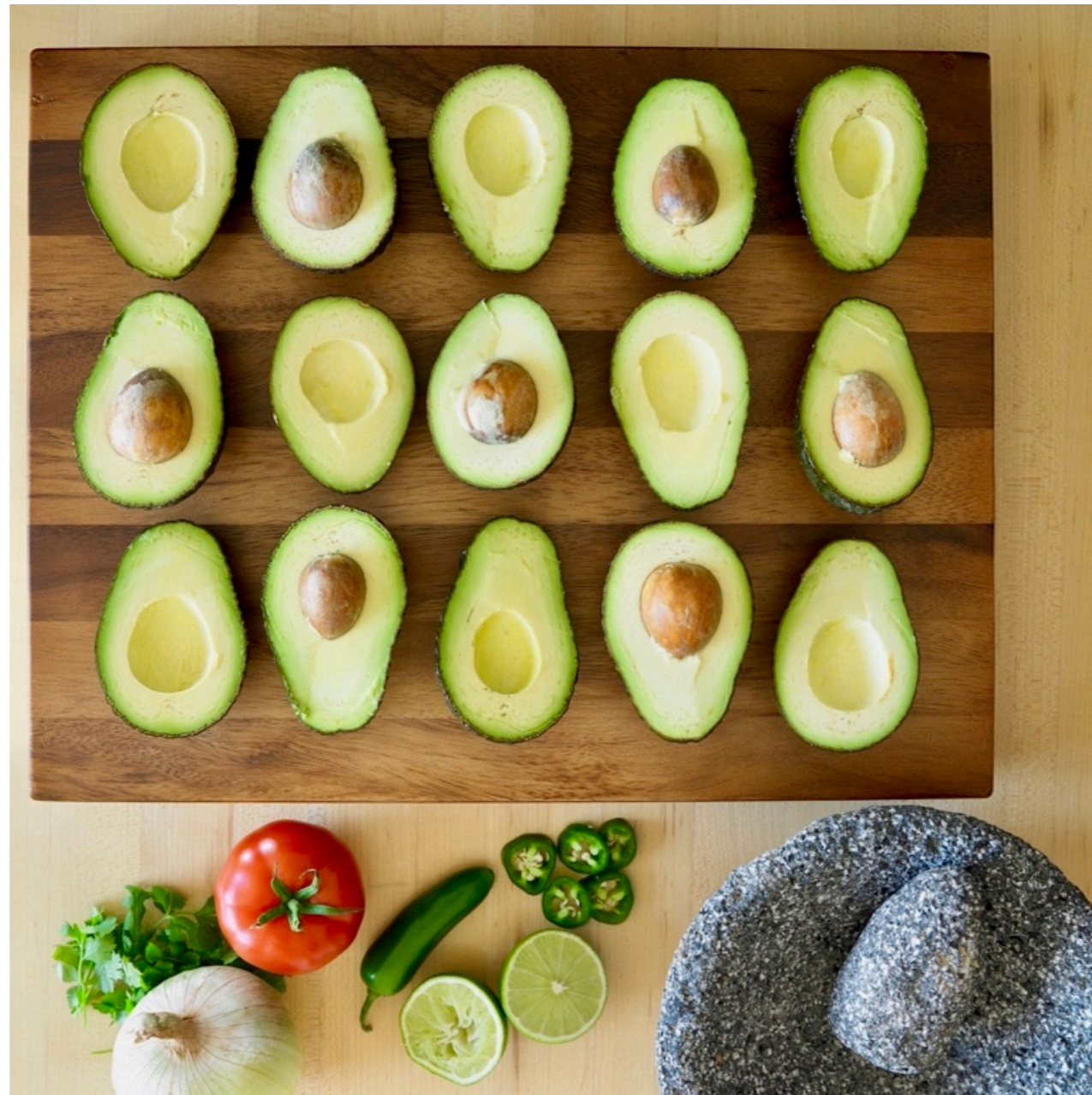


How many do you see?



How many what?

How many do you see?



#unitchat • Christopher Danielson • @Trianglemancsd

#unitchat



h/t Gwyneth Hunter

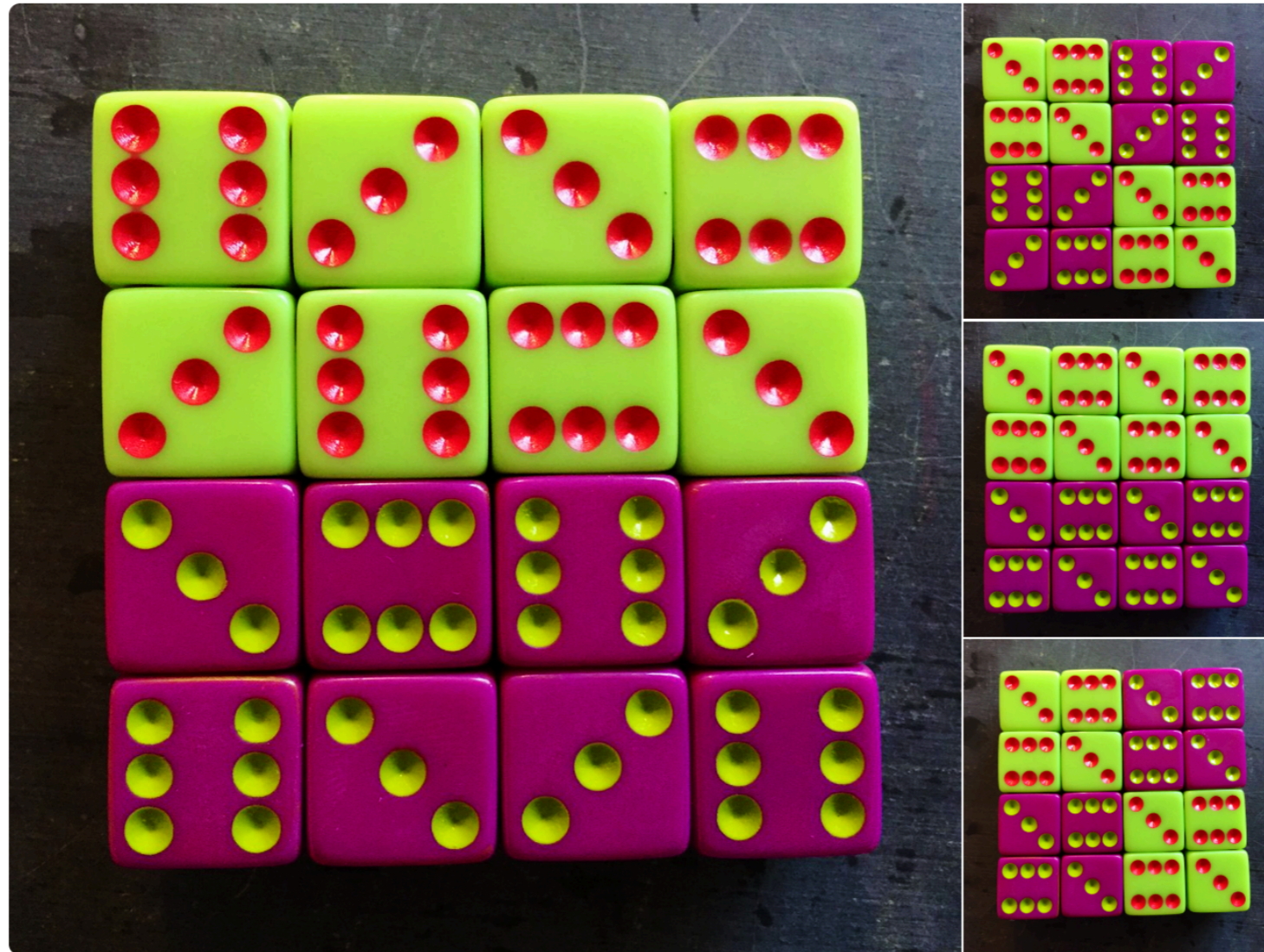


Malke Rosenfeld

@mathinyourfeet

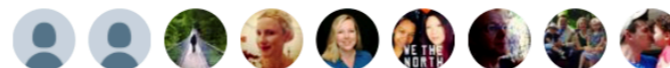
Following

More fun with dice. #rotation #unitchat #howmany



11:39 AM - 2 Jan 2017

5 Retweets 9 Likes



5

9



Malke Rosenfeld @mathinyourfeet Follows you

Photos and videos



#WorldFoodDay 69.9K Tweets

#SmallBusinessWeek

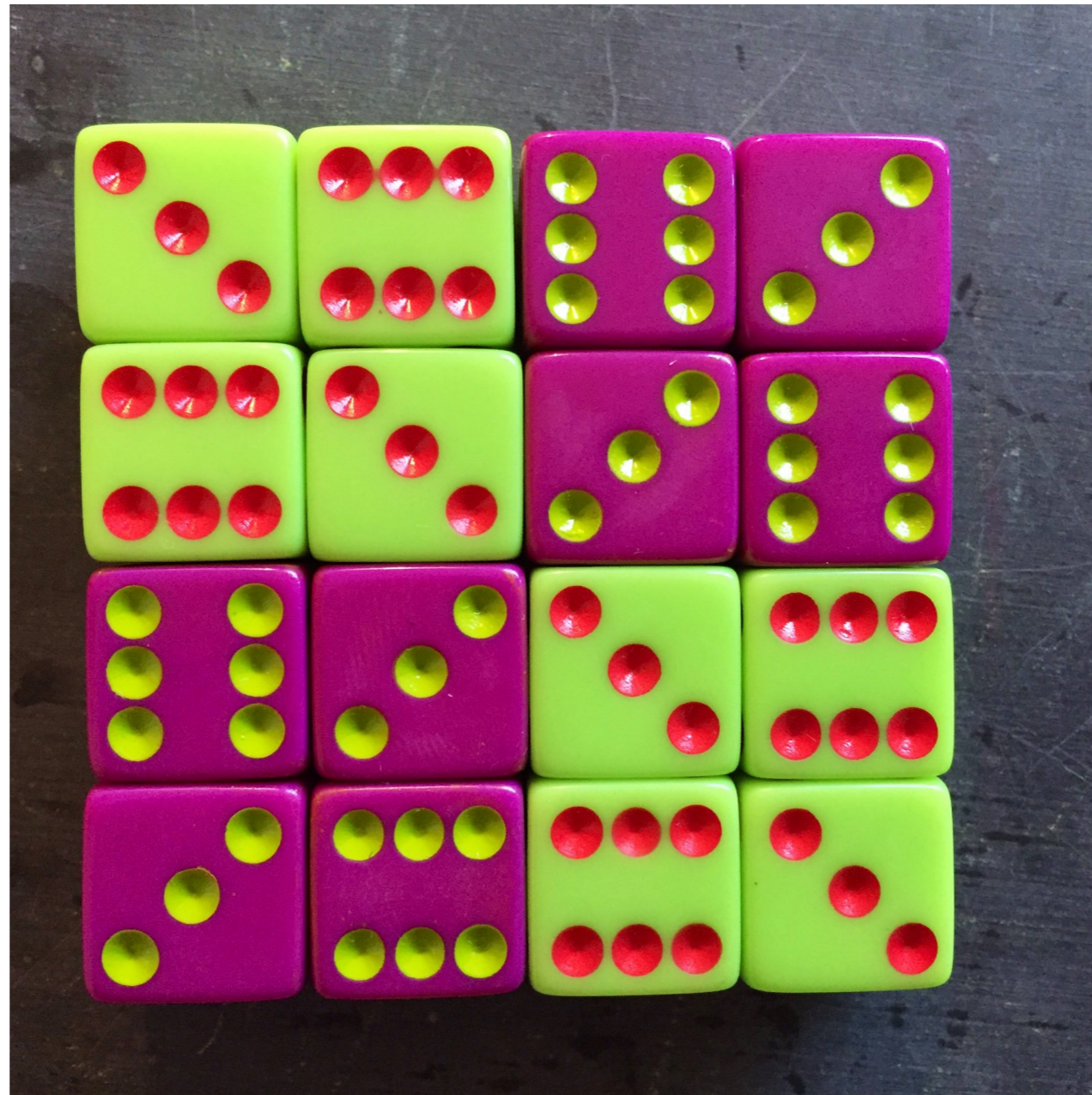
#TechTO

Canucks 2,675 Tweets

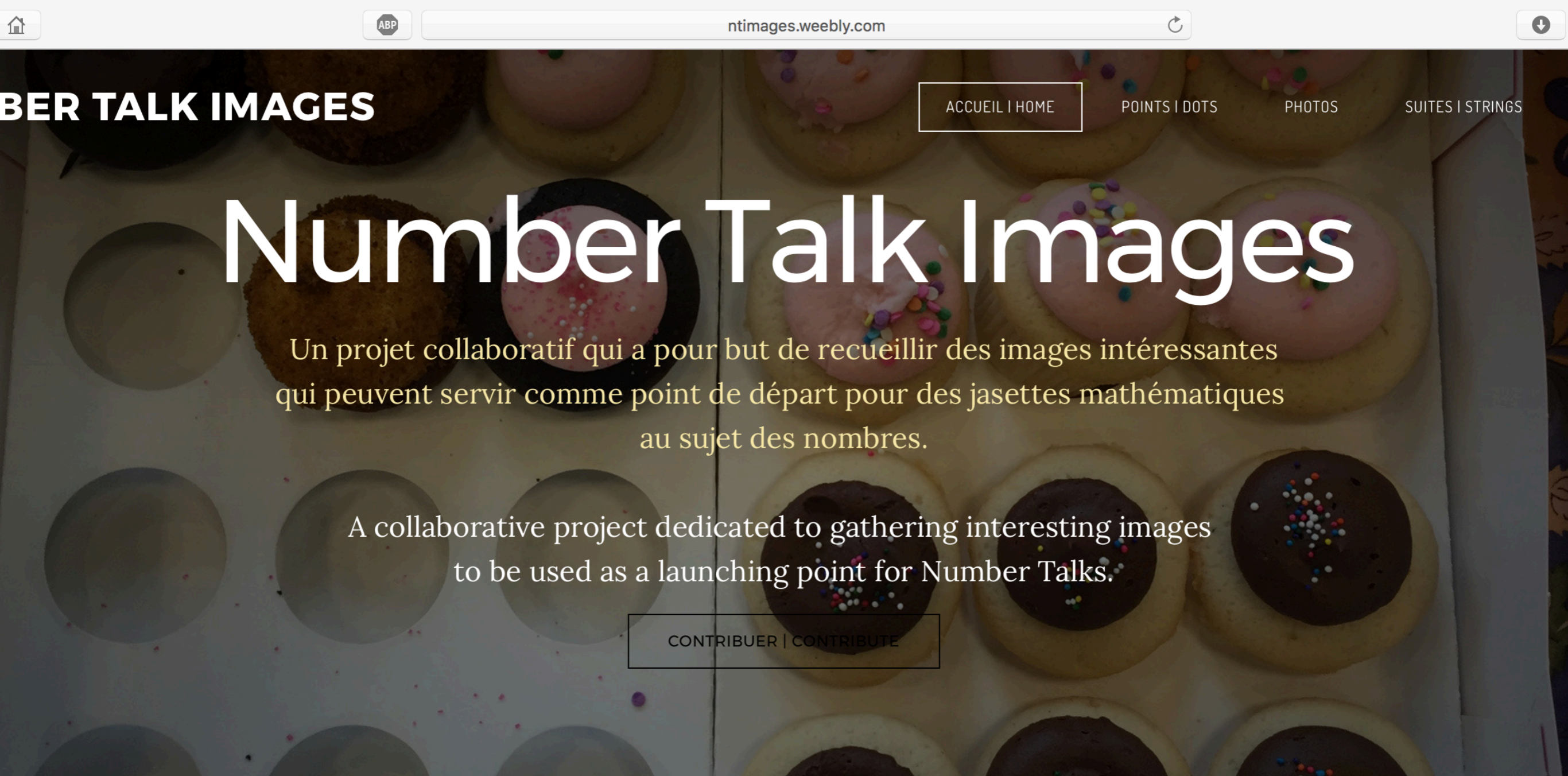
#physics

Jonah Gadjovich

How many do you see?



#unitchat



Number Talk Images

Un projet collaboratif qui a pour but de recueillir des images intéressantes qui peuvent servir comme point de départ pour des jasettes mathématiques au sujet des nombres.

A collaborative project dedicated to gathering interesting images to be used as a launching point for Number Talks.

CONTRIBUER | CONTRIBUTE

Some of the ways that *Number Talk Images* are being used...

Used on various blogs:

Examples:

[Numberless Word Problem 2: Data Exploration in 1st](#)

Created by Chase Orton

[The Group of Itself](#) by Sarah Caban

Newsletter for *Table Talk Math*


 **John Stevens**
@Jstevens009 Follow

Table Talk Newsletter #14 - Number Talk Images are amazing!
By @Pierre_Tranche #mtbos



 **LaboGhia**
@LaboGhia Follow

Number Talk Images. Genius! Just did 5 pics with daughter before bed. Wouldn't stop! Thanks @Pierre_Tranche
ntimages.weebly.com

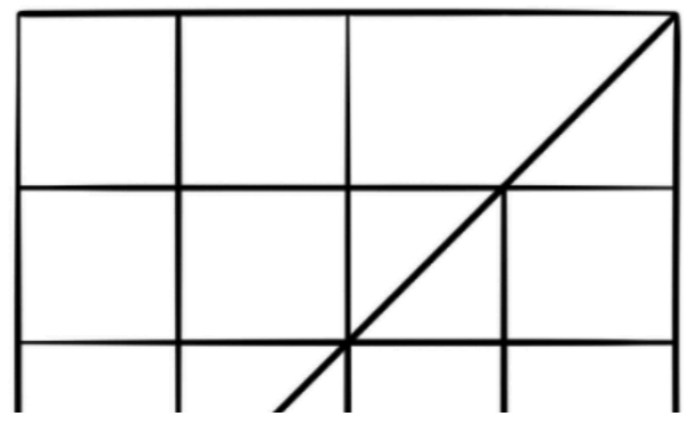


LOOKING FOR SOMETHING?

FRACTION TALKS

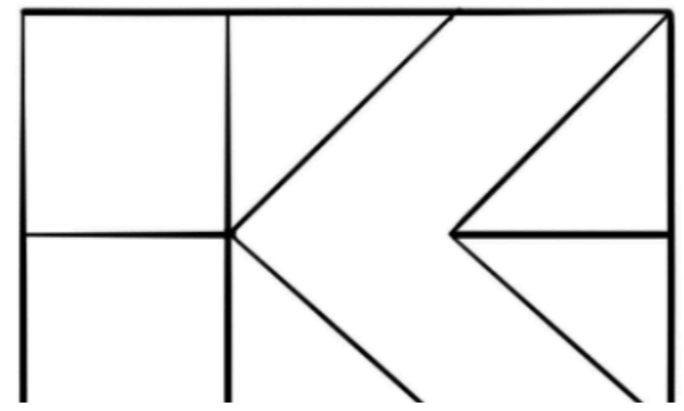
HOME CATEGORY HOW TO... FRACTION TALKS HANDOUT CONTACT/SUBMIT SPOTLIGHTS ABOUT

SQUARES 15



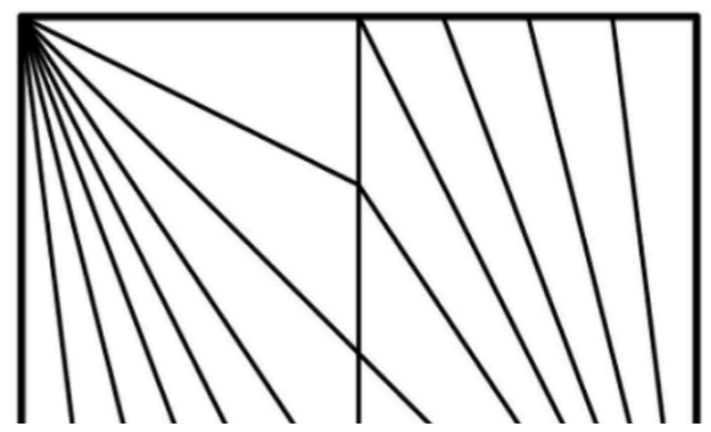
REDACTED 01

SQUARES 14

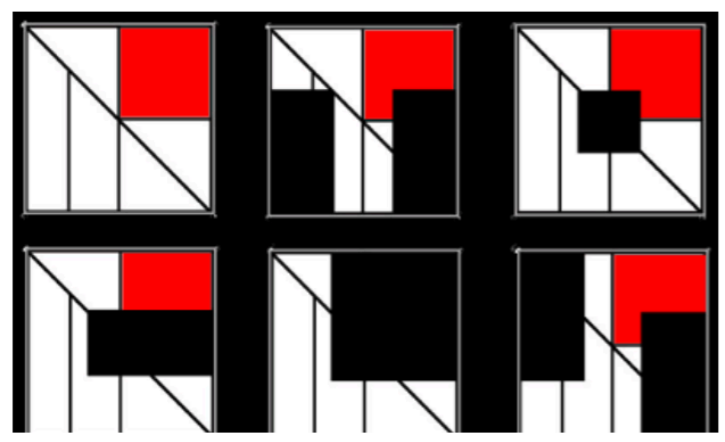


SQUARES 11

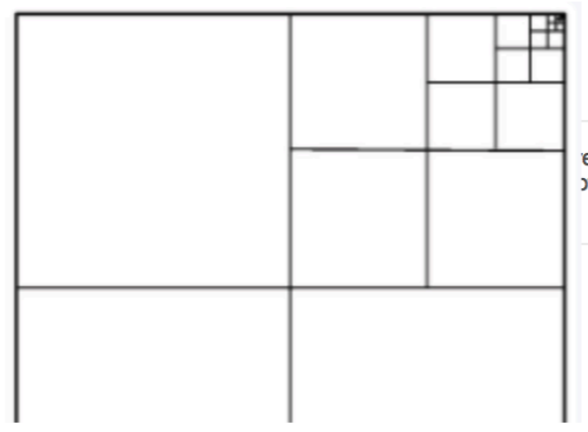
SQUARES 13



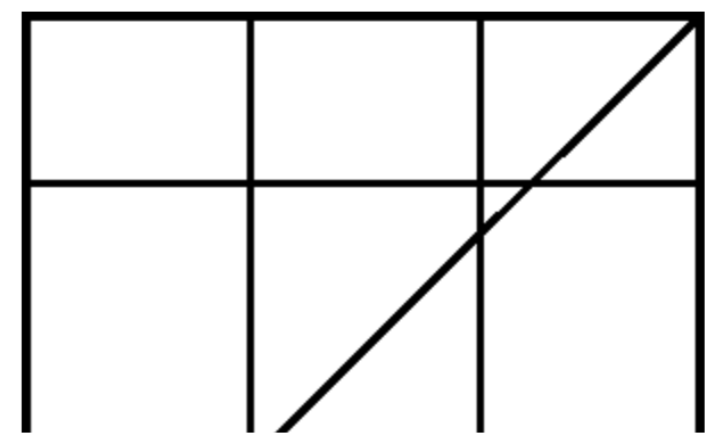
SQUARES 10



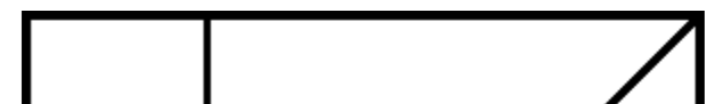
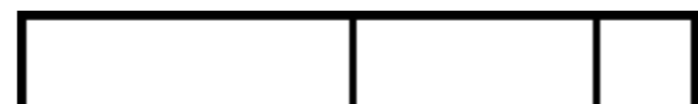
SQUARES 12



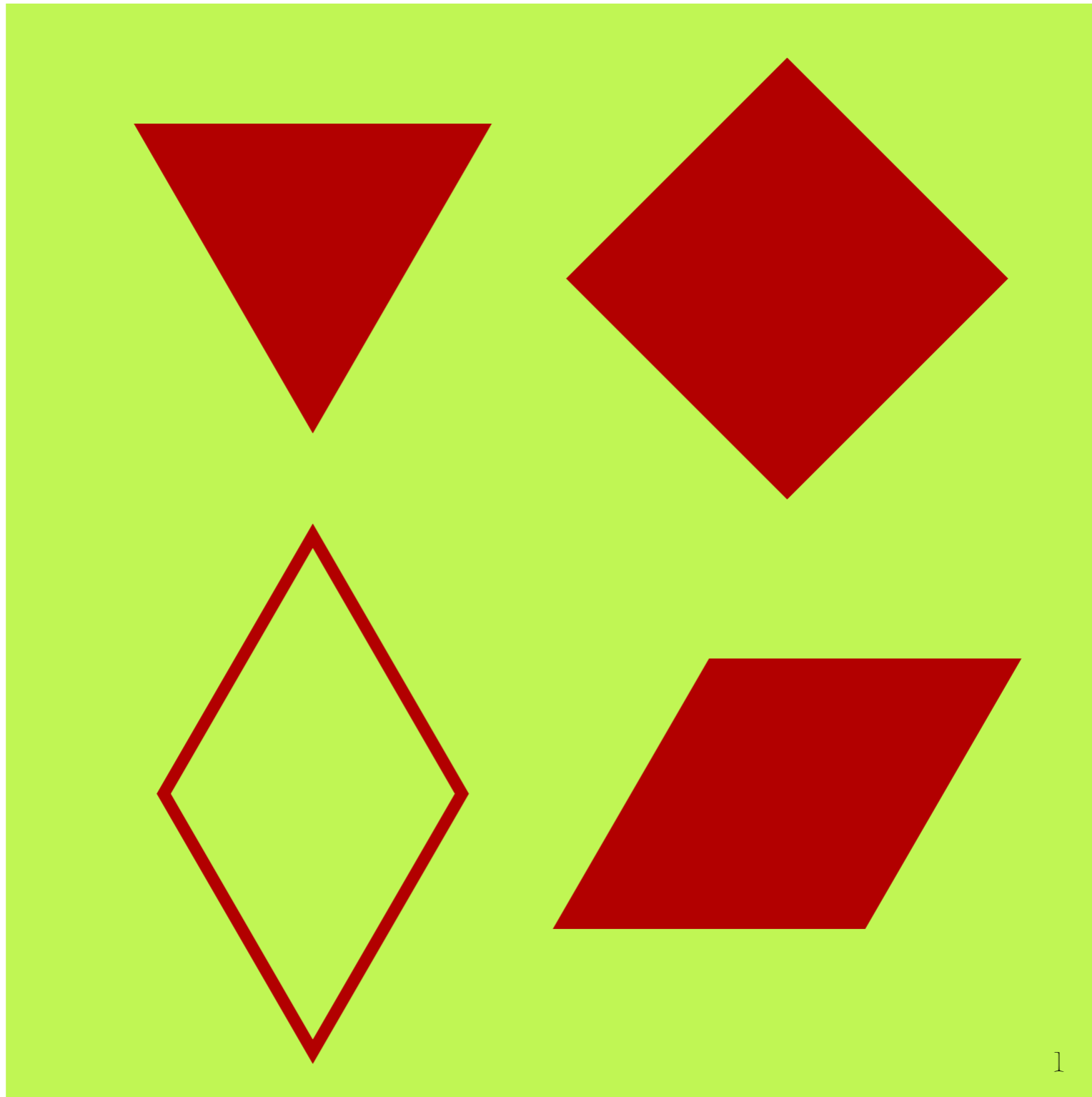
SQUARES 09



SQUARES 08



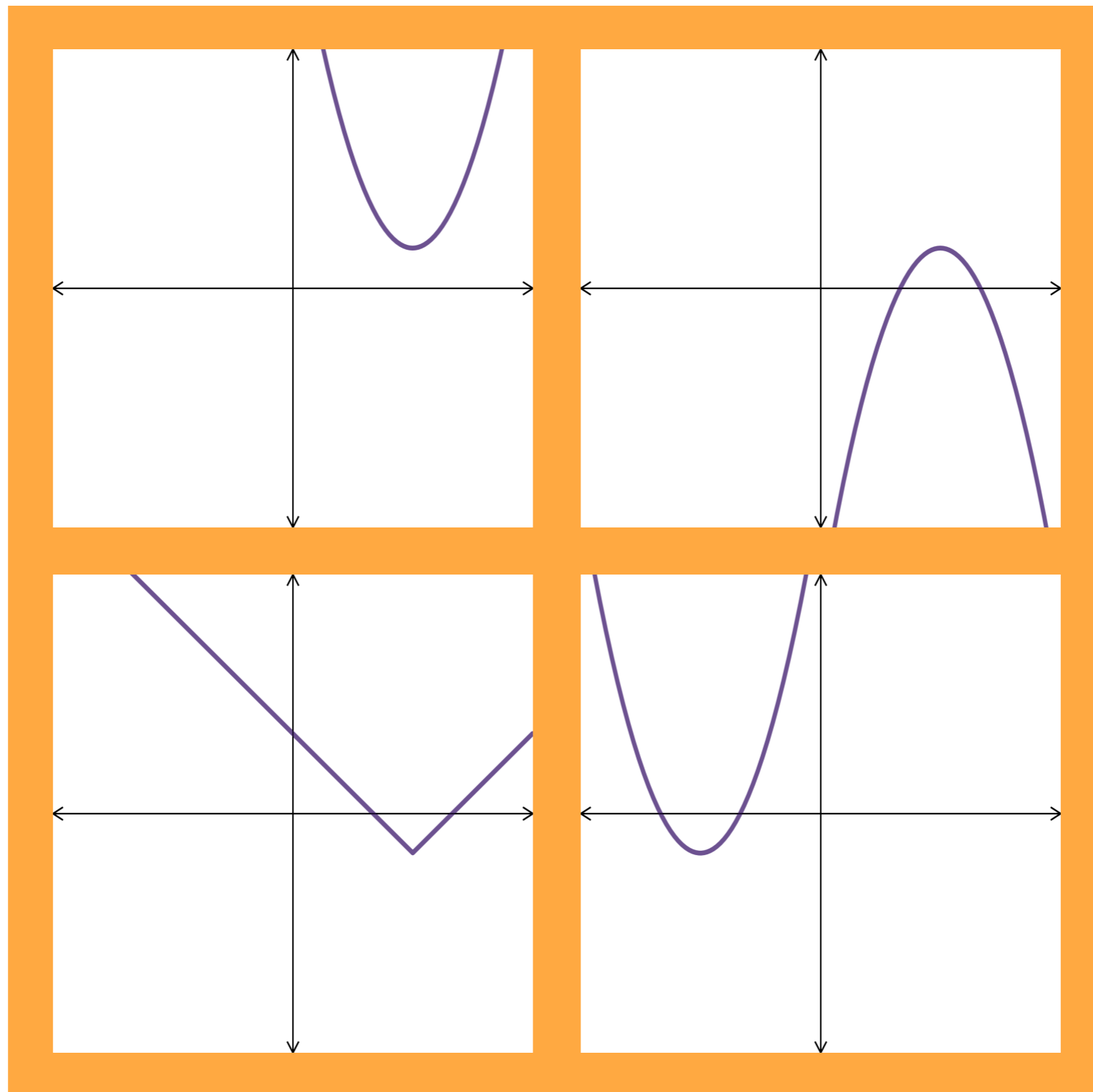
Which one doesn't belong?



Which one doesn't belong?



Which one doesn't belong?





WHICH ONE DOESN'T BELONG?

NUMBERS

Find a reason why each one does not belong.

9	16
25	43

3	27
123	31

17	26
44	65

NUMBER 1

NUMBER 2

NUMBER 3

SAME OR DIFFERENT?

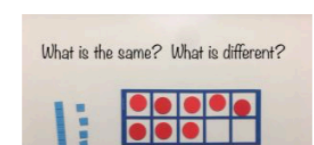
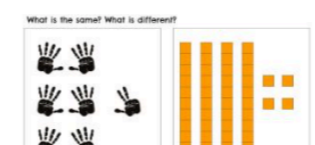
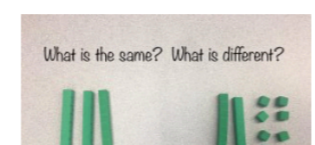
supporting mathematical argument in the elementary grades

[HOME](#) [VIDEOS](#) [CONTRIBUTORS](#) [ABOUT](#) 

PLACE VALUE AND UNITIZING

SEPTEMBER 8, 2017 BY [BSTOCKUS](#)

[4 COMMENTS](#)



Would You Rather...?

Choose a path. Justify it.

About Me

WYR Sample Sheet

Latest Posts

Would You Rather...

stevens009 | October 13, 2017 | 0



Search here...

Subscribe to Blog via Email

Enter your email address to subscribe to this blog and receive notifications of new posts by email.

Join 10,523 other subscribers

Email Address

Subscribe

@jstevens009 on Twitter

Tweets by @Jstevens009

John Stevens | @Jstevens009

Replying to @Jstevens009

Also, I'm trying to build things that are "less sexv" a la @k8nowak. something that's more

"Single-Serving" #MTBoS Sites

Number Talk Images

ntimages.weebly.com
Pierre Tranchemontagne
@Pierre_Tranche

Fraction Talks

fractiontalks.com • @FractionTalks
Nat Banting • @NatBanting

Estimation180

estimation180.com
@Estimation180
Andrew Stadel • @mr_stadel

Which One Doesn't Belong?

wodb.ca • @WODBMath
Mary Bourassa • @MaryBourassa

Same or Different?

samedifferentimages.wordpress.com
Brian Bushart • @bstockus

Would You Rather?

wyrmath.com
John Stevens • @Jstevens009

"Taken-As-Shared" Values

EXPLORING GENERATIVE MOMENTS OF INTERACTION BETWEEN MATHEMATICS TEACHERS ON SOCIAL MEDIA

Judy Larsen and Peter Liljedahl

Simon Fraser University

Stimulating sustainable mathematics teacher collaboration can be challenging in many commonly found professional development contexts. Despite this, an unprompted, unfunded, unmandated, and largely unstudied mathematics teacher community has emerged where mathematics teachers use social media to communicate about the teaching and learning of mathematics. This paper presents an analysis of one episode where teachers engage in a prolonged exchange about responding to a common mathematical error. Analytical tools drawn from complexity theory are used to explain moments of productivity. Results indicate that enough redundancy and diversity among members is necessary to make conversations productive. Identified sources of redundancy indicate the 'taken-as-shared' values of this group.

Redundancy

Diversity

Redundancy

Diversity

Redundancy

Diversity

Redundancy

Diversity

Redundancy

Diversity

Redundancy

- thinking like a learner
- generating examples
- invoking shared language
- using instructional routines
- teaching without telling

Diversity

- example choices
- mathematical approaches
- mathematical representations

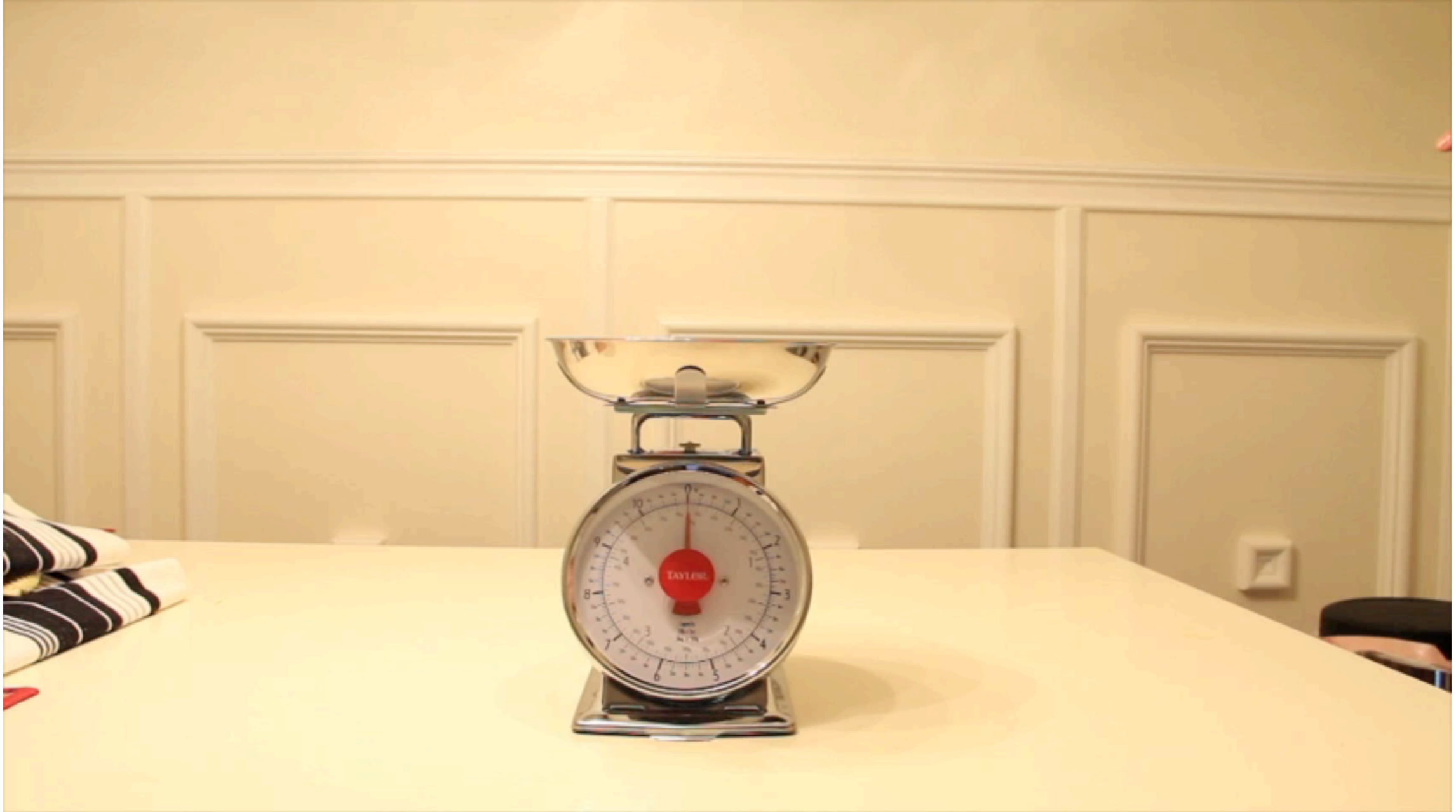


Dan Meyer • @ddmeyer

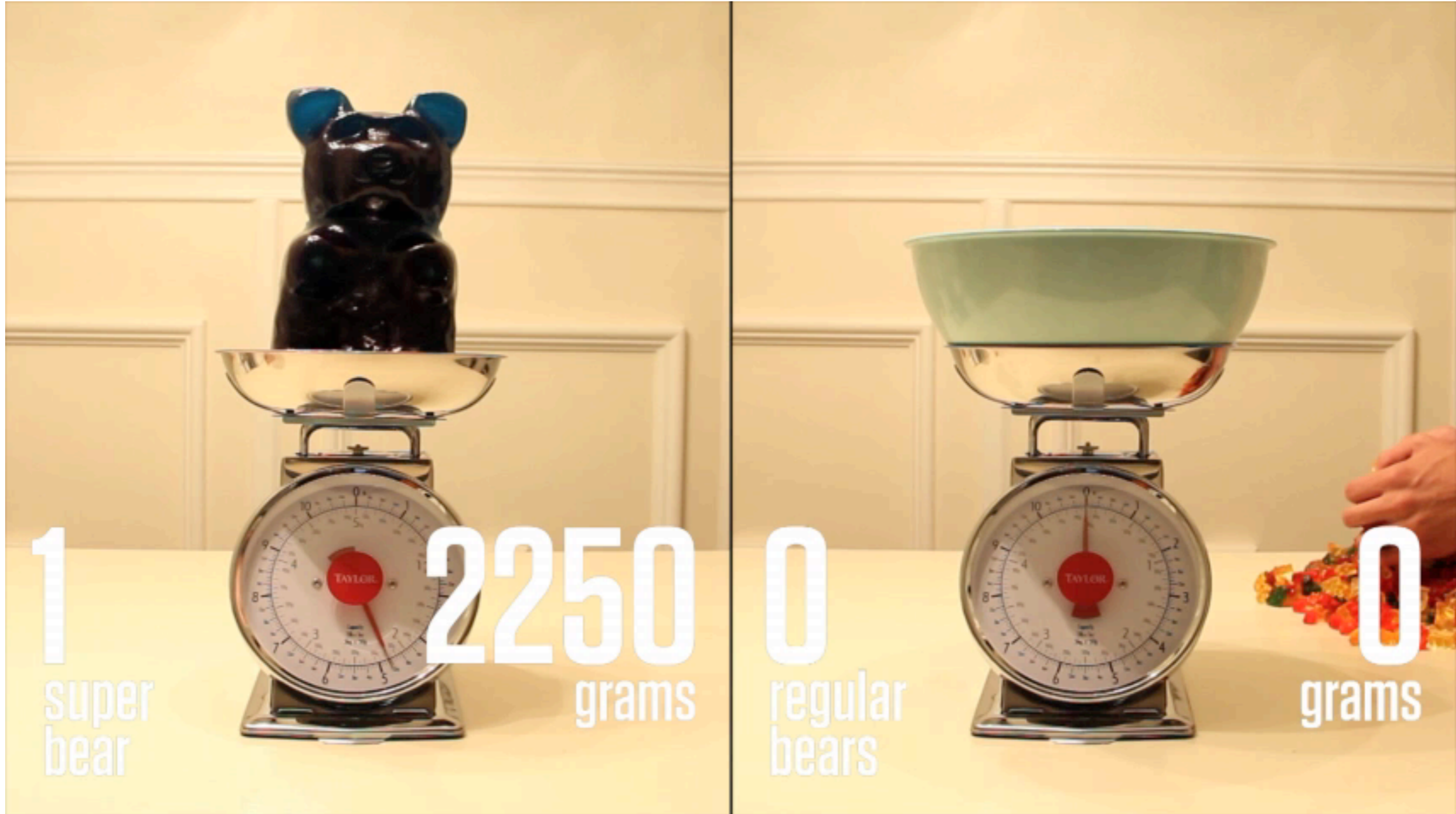


regular-bears

Dan Meyer • @ddmeyer



Dan Meyer • @ddmeyer



Dan Meyer • @ddmeyer

Three-Act Math Tasks

Dan Meyer

@ddmeyer

blog.mrmeyer.com/2011/the-three-acts-of-a-mathematical-story/

Robert Kaplinsky

@robertkaplinsky

robertkaplinsky.com/resources/

Graham Fletcher

@gfletchy

gfletchy.com/3-act-lessons/

Why #MTBoS?: Testimonials



Timon Piccini
@MrPicc112

Replying to @MrVaudrey @ChrisHunter36

My biggest thing is it multiplies my colleagues by approximately a bajillion. And it's the colleagues you want to be around.

10:06 PM - 18 Oct 2017



Becca Phillips
@RPhillipsMath

Replying to @ChrisHunter36

I feel like #mtbos keeps me on my toes pedagogically. I like the lessons posted, and also the research. I feel like I'm ahead of the curve.

8:15 PM - 18 Oct 2017



David Butler
@DavidKButlerUoA

Replying to @DavidKButlerUoA @ChrisHunter36

#whyMTBoS I get to see how maths ideas fit together across early childhood to adult learning in multiple perspectives.

10:19 PM - 18 Oct 2017



Mary Langmyer
@mlangmyer

Replying to @ChrisHunter36

Why #MTBoS ? You all are my support network! Never worked in a bldg or district where all MTs were pos, connected, supportive, and learners

6:24 PM - 18 Oct 2017



Nic Paolini
@NicPaolini

Replying to @ChrisHunter36

It's free PD, avail 24/7 on my time. If you want latest/greatest in math ed, you get it from #MTBoS, or from someone who got it from #MTBoS.

8:59 AM - 19 Oct 2017



Tina Cardone 🏳️‍🌈
@crstn85

Replying to @ChrisHunter36

#whymtbos as a high school teacher I can chat with teachers pre-K through university. Great way to improve my vocab and connected learning

5:18 PM - 18 Oct 2017

Why #MTBoS?: Testimonials



Jami D Packer
@JamiDanielle

Replying to @ChrisHunter36

Because it is the single most transformative thing I ever did for my professional practice.
[#whyMTBoS](#)

8:40 AM - 19 Oct 2017



Jamie Garner
@mavenofmath

Replying to @ChrisHunter36

Why [#MTBoS](#)? Because I can geek out on math at any hour of the day without judgement. It's my happy place. 😊

9:17 PM - 18 Oct 2017



Megan Schmidt
@Veganmathbeagle

[#whyMTBoS](#) because these educators believe kids deserve a better experience with math.

10:11 PM - 18 Oct 2017



Lana Pavlova
@TAnnalet

Replying to @ChrisHunter36

It changed the way I think about math, I do math, I teach math. I found a new passion in my life and new friends. We learn together.

6:25 PM - 18 Oct 2017



Casey McTeach
@cmmteach

Replying to @cmmteach @ChrisHunter36

[#whyMTBoS](#) b/c they accept me as I am, but more importantly, make me see who I can be. that vision is far greater than I could've imagined.

6:34 PM - 18 Oct 2017



Mary Bourassa
@MaryBourassa

Replying to @ChrisHunter36

MTBoS is my math department. They listen, support, push back, make me think and grow as a teacher. This community fills my brain & my heart.

4:38 AM - 19 Oct 2017

Why #MTBoS?: Testimonials



Jami D Packer
@JamiDanielle

Replying to @ChrisHunter36

Because it is the single most transformative thing I ever did for my professional practice.
[#whyMTBoS](#)

8:40 AM - 19 Oct 2017



Lana Pavlova
@TAnnalet

Replying to @ChrisHunter36

It changed the way I think about math, I do math, I teach math. I found a new passion in my life and new friends. We learn together.

6:25 PM - 18 Oct 2017



Jamie Garner
@mavenofmath

Replying to @ChrisHunter36

Why [#MTBoS](#)? Because I can geek out on math at any hour of the day without judgement. It's my happy place. 😊

9:17 PM - 18 Oct 2017



Casey McTeach
@cmmteach

Replying to @cmmteach @ChrisHunter36

[#whyMTBoS](#) b/c they accept me as I am, but more importantly, make me see who I can be. that vision is far greater than I could've imagined.

6:34 PM - 18 Oct 2017



Megan Schmidt
@Veganmathbeagle

[#whyMTBoS](#) because these educators believe kids deserve a better experience with math.

10:11 PM - 18 Oct 2017



Mary Bourassa
@MaryBourassa

Replying to @ChrisHunter36

MTBoS is my math department. They listen, support, push back, make me think and grow as a teacher. This community fills my brain & my heart.

4:38 AM - 19 Oct 2017

bit.ly/whymtboS



Set The Hook.

Follow me:



[Home](#)

[Fishin' Solo Blog](#)

[MTBoS](#)

[Table Talk Math](#)

[The Classroom Chef](#)

[Would You Rather...?](#)

[Meet the Fisherman](#)

[Flipping 2.0](#)

[Choose Your Own Assessment](#)

[Apps In Class](#)

[Pre-made Math Lessons](#)



What are you getting ready to teach? Whatever it might be, the MTBoS has probably blogged about it. To find what you're looking for, just type into the search below! Or, if you're not sure what you want and are looking for some inspiration, hit the random button.

[Feeling Mathematically Lucky? Get A Random Post](#)

Most Popular Search Results

division of fractions inb boolean quadratic formula pythagorean theorem coterminal algebra 2 project solving equations washi integers imp math absolute value inequalities volume of a pyramid

The MTBoS Search Engine

I've been wanting something like this for a long time, but finally got around to making it. This is a search engine that only combs through Math Teacher blogs. There are some missing. No, there are plenty that are missing. Please let me know and I'll add them as soon as I can. Anyways, simply click on the Google Search bar above this paragraph and away you go.

HUGE hat tip to Robert Kaplinsky for creating this one that's all about lessons. Also, add yourself to the [MTBoS Directory](#), courtesy of Jed Butler.

Finding Ways

[Home](#)[About](#)[Books](#)

All I Got on Classroom Management

By FAWN | Published: AUGUST 11, 2017

Not enough people write about classroom management in a practical and realistic way. But this does! Helpful tips.

<https://t.co/oXXwOU6xDK>

— Michael Pershan (@mpershan) [August 9, 2017](#)


Classroom management is hard, and what's "practical and realistic" for one person could be entirely impractical and unrealistic for someone else to follow. Take a math lesson taught successfully at a parochial school in a class of 12 students wearing uniforms and bring it into an inner-city public school in a class of 37 students wearing skins in shades of brown, black, and yellow, and you might find that you need to tweak the lesson a bit.

You and I are two different people. You and I are two different teachers. What irks me may not even faze you. You and I can tolerate different ranges of decibels emitting from classroom activities. You like foldables, and I like baguettes.

Your students are different than mine. The humans in our classrooms are fussy and demanding and moody and social and shy and are constantly muttering under



[Dan Meyer's 3-Act Math Tasks](#) 

[Andrew Stadel's 3-Act Math Tasks](#) 

[Robert Kaplinsky Lessons](#) 

Hashtags

#iteachmath

#ElemMathChat

#tmwyk

#MSMathChat

#NoticeWonder

#SwDMathChat

Norms and Expectations

- It's okay to "lurk"
- It's okay to "butt in"
- ProTip: tag tweeps
- It's not the math teacher "Bat-Signal"
- Assume best intentions
- Soft on people, hard on ideas (?)
- Relationships require investment

[More](#) ▾[Next Blog»](#)

Create

f(t)

Hello, reader! If you intend to post a link to this blog on Twitter, be aware that for utterly mysterious reasons, Twitter thinks this blog is spam, and will prevent you from linking to it. Here's a workaround: change the .com in the address to .ca. I call it the "Maple Leaf Loophole." And thanks for sharing!

Monday, January 4, 2016

In Defense of Unsexy

At IM we're writing a sixth grade curriculum, and much of my time is spent writing, reviewing, and begging other people to write and review new [grade 6 tasks](#) that really just hit the fundamental stuff. After five-ish years of accepting task submissions, we have some holes. *Because nobody wants to write easy questions.*

Do you know what teachers have the hardest time finding?

Quality, basic stuff.

It is getting relatively easy to find the rather-complicated application problems, the projects, the whole new grading systems, the elegant warmups, the pinterest-worthy graphic organizers. Many people have invented and shared some very sexy, awesome stuff, and they are changing many teachers' and kids' experience of math. Hooray for that!

But so many teachers aren't helped by sexy stuff. I think one reason is that they don't think the payoff is worth the time investment. Or maybe that changing the whole way they run class is too intimidating. I'd be happy to entertain alternative theories.

Here's a cooking show analogy: in the early-mid 2000's people enjoyed Mario Batali's homemade gnocchi and Bobby Flay's 90-ingredient curries and Alton Brown's coconut cake that takes THREE DAYS (I'm not kidding. Three days.) But you know who I watched every day at 4:30? Rachel Ray. I suffered through her saying "yummo" and "EVOO-that-means-extra-virgin-olive-oil" approximately 19 times per episode, and she taught me how to get a reasonable meal on a plate in 30 minutes and how to chop a damn onion.

This blog grew in popularity (and stays relatively popular even though I neglect it so) not because I

G+ **Kate Nowak**

G+ Follow

0

[View my complete profile](#)

Search This Blog

Follow by Email

Contact

Name

Email *

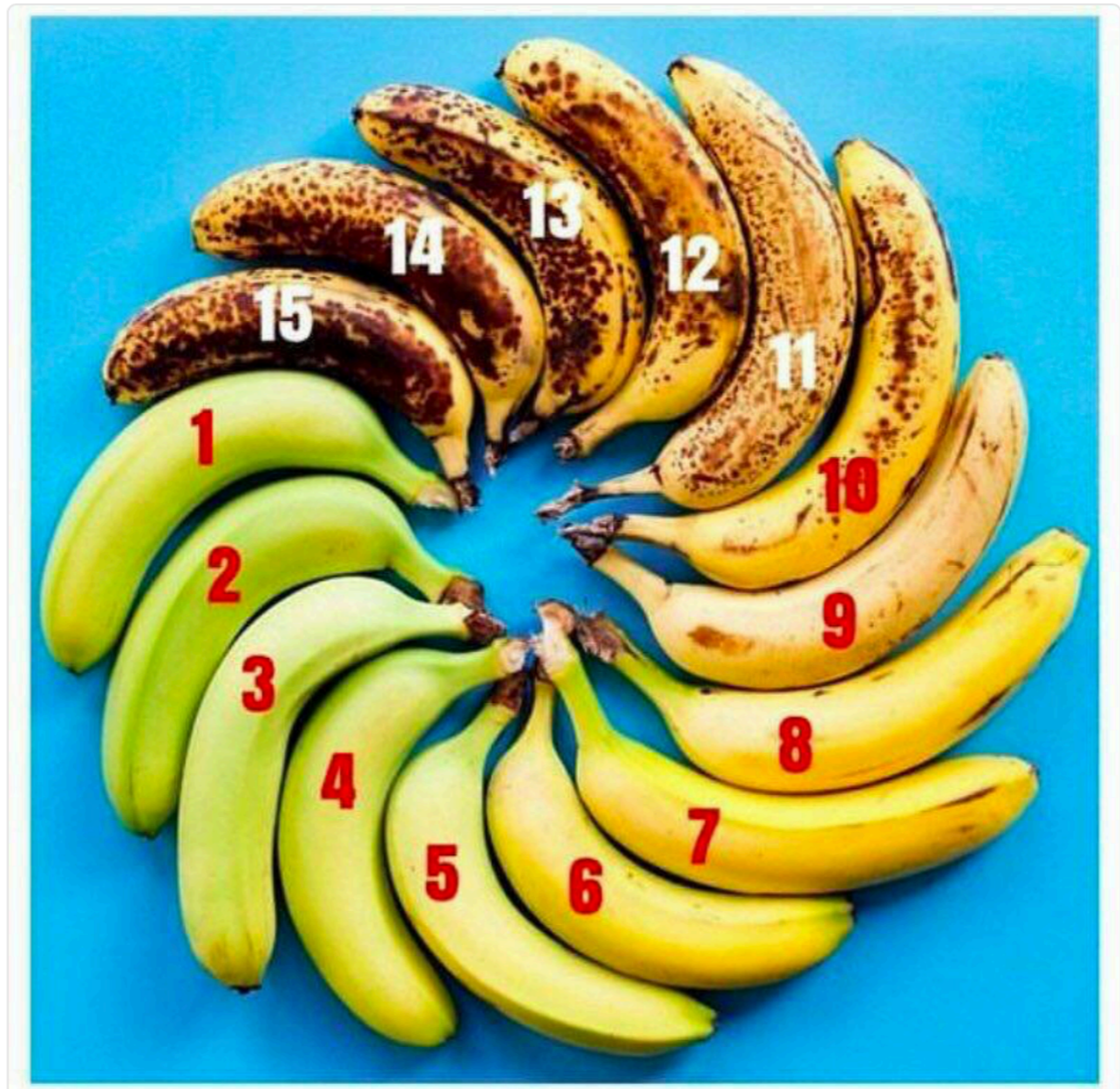
Ilona Vashchyshyn
@vaslona Follows you

Following

Ilona Vashchyshyn
@vaslona

Following

Gathering some data re: perfect banana ripeness. Have 5 seconds? Fill out a one-question survey! goo.gl/JtBTsG
#mathchat #MTBoS



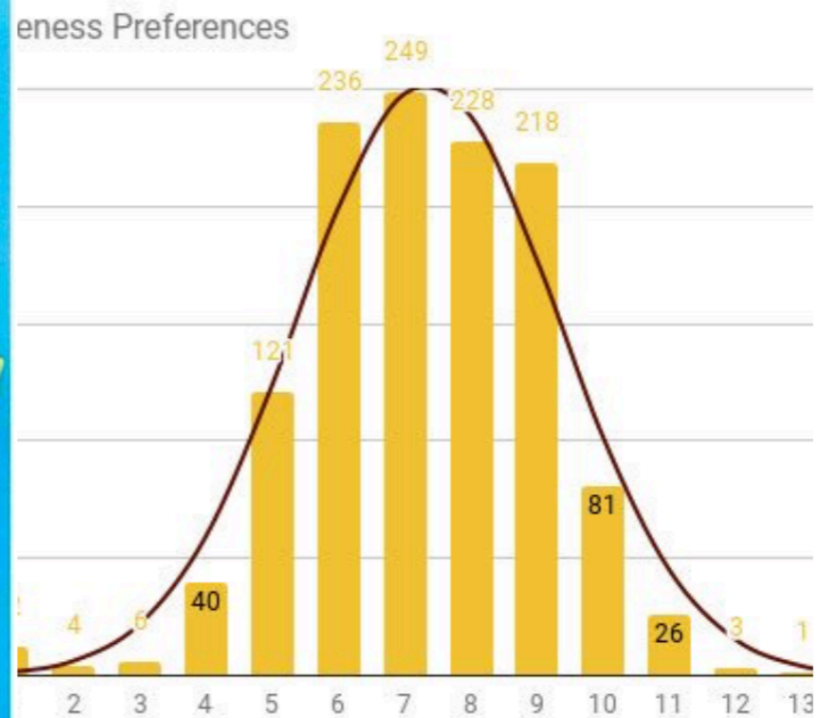
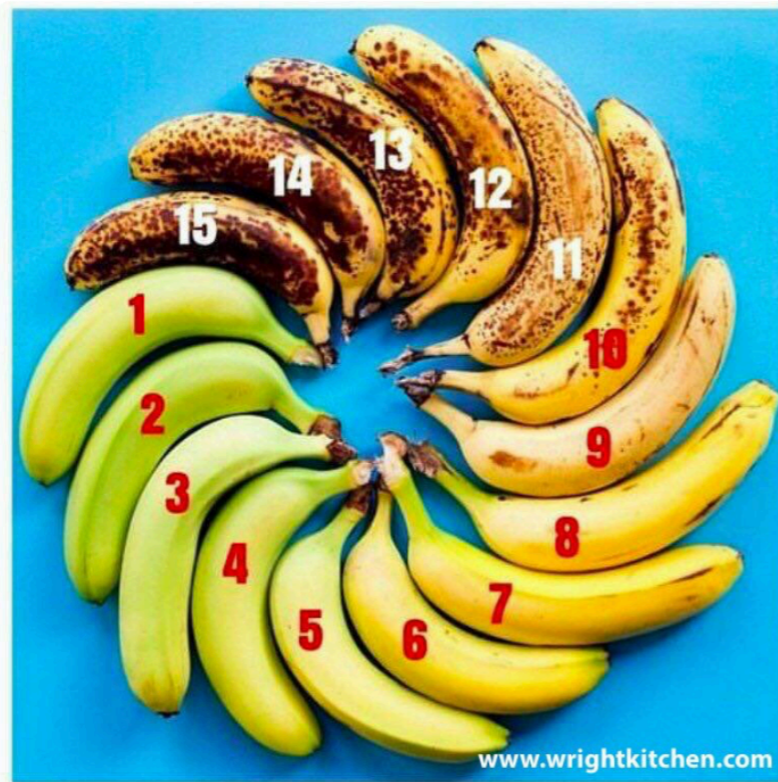


Ilona Vashchyshyn
@vaslona

Following

1250 responses & counting... here are the results so far! A bit heavy-tailed... is it normal? All data here:

docs.google.com/spreadsheets/d/...

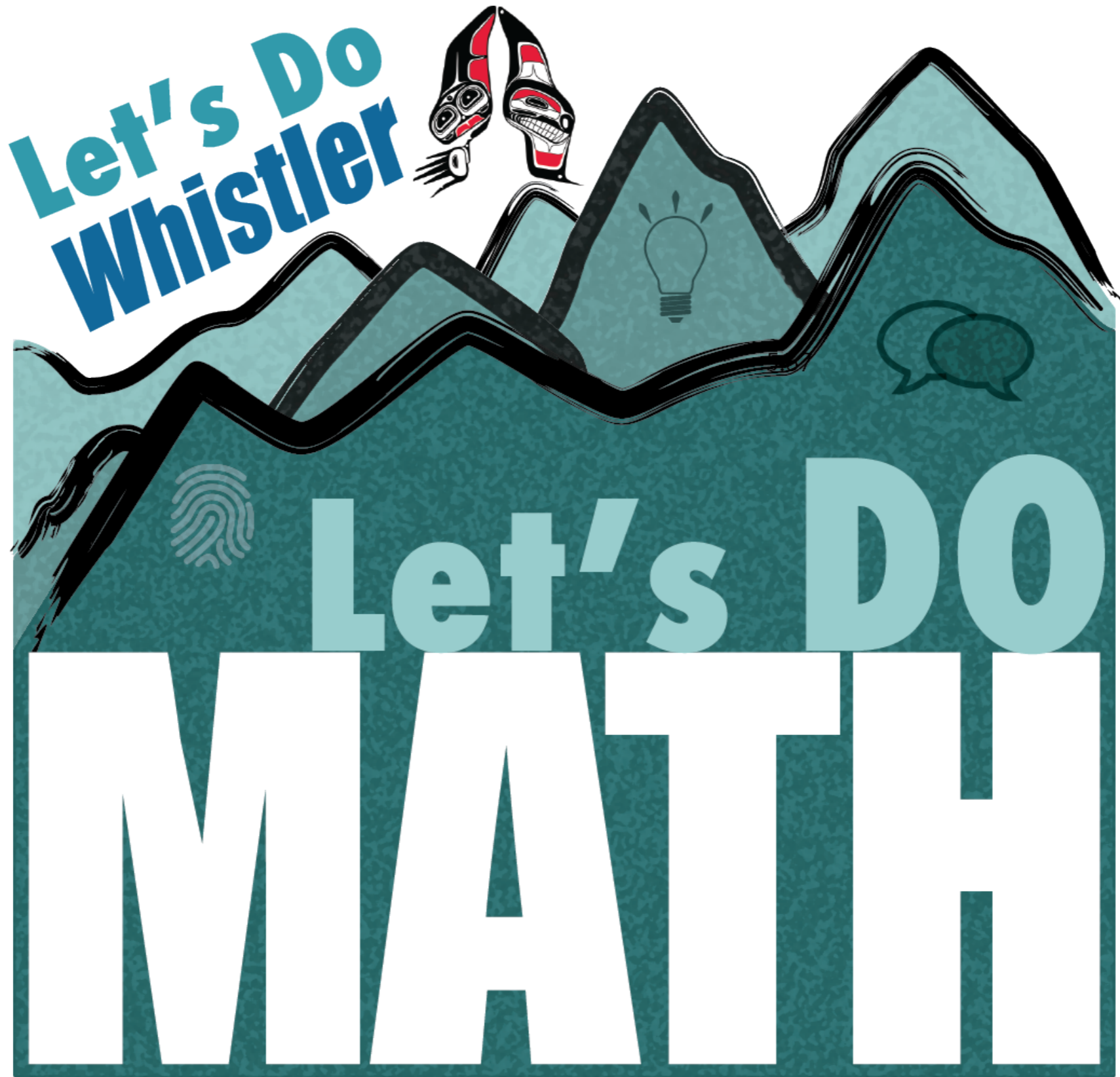


8:18 AM - 1 Oct 2017

54 Retweets 114 Likes



You, Bryan Penfound, Shane and 7 others



57th Northwest Mathematics Conference
October 18-20, 2018 • www.bcamt.ca/nw2018