

Notes 2 Nerds

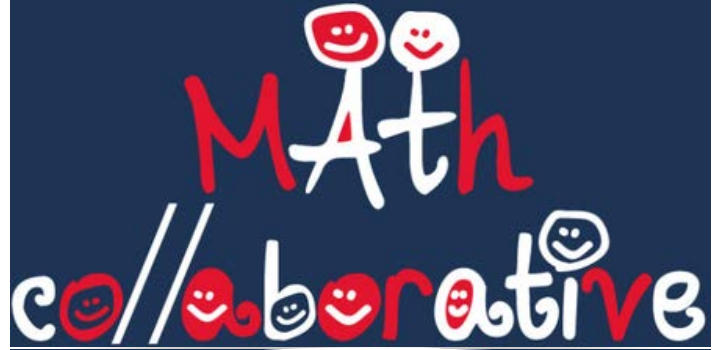
November 28, 2022

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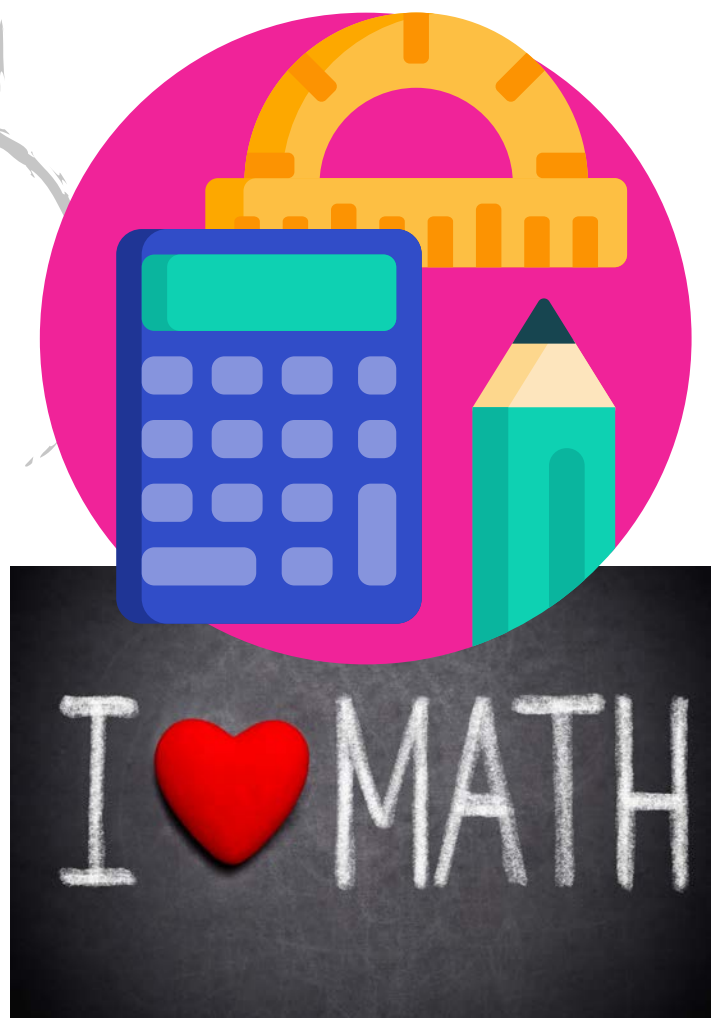
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Teacher Development and
Consulting



Director's Notes



"Dashboard Confessional"

I've got a confession to make.

The little orange sensor on my dashboard that monitors tire pressure has a mind of its own. It has been on and off sporadically for the last six months.

During the summer, it takes a vacation for weeks at a time. I actually miss the little fellow. In the late summer and early fall, he joins me at precisely 23 minutes into my ride—a few seconds of *blinky blinky* and then—boom—full-on orange.

I have those neurotic passengers who inform me that the orange light has just appeared. I jokingly tell them, "There is nothing that makes you feel more alive than living on the edge a little bit." Once, I felt a bit self-conscious and hid the bugger with a little smiley face sticker, but it reflected the orange light all over the dashboard, making it neon-sign annoying!

It turns out that the pressure in my tires is just fine, but the sensor is buggy. And it gives me a chance to use my digital tire pressure gauge once a week. The tire gauge now rests right on top of the collection of Kleenex, extra straws, and old insurance receipts in the glove compartment. The cost to replace the pressure sensor is shy of \$300. But, unfortunately, there always seems to be something I want to spend my money on rather than getting it fixed. So, I must make peace with the annoyance of seeing that little orange light. One day the orange icon will win, and I will get the faulty sensor replaced.

This little light got me thinking about the annoyances we tolerate in our lives.

Those phone calls from weird area codes,

that favorite sock you keep in your drawer because you know its match will somehow, mysteriously, return from the dryer,

faculty meetings called because some "one" person didn't turn in lesson plans,

the student who asks for bonus work but refuses to do the regular assignments,

the third missed planning period in a week to cover someone's class,

the number of "required" tests to report in the grade book - the list can be exhaustive.

Especially this time of year.


Heading into the holiday season, it is not hard to have an orange tire light (or several tire lights) showing on the old dashboard of life. We need to recognize them as information. Sometimes we need to take action. Sometimes they reveal little that is helpful. The answer is not always apparent, but the solution always rests in the "why." It may be the "why" of the challenge, but, more importantly for us, how we handle things resides in the "why" of our own motivation.

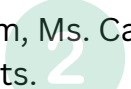
Happy Maths,

Pete


CRMC By The Numbers


NOVEMBER

- 
- Almost **50** teachers from more than thirty area schools attended four workshops at the Mathematics Collaborative in Frank Brown Hall. They attended [day-long professional development](#) ranging from engaging tasks for high school algebra to the power that noticing brings to student discussion in middle school, to grade bands K-2 and 3-5 exploring habits to ignite mathematical thinking.


- **Two** new resource teachers added to the CRMC team, Ms. Carlie Oelke and Ms. Karen Hensen, as elementary grade mathematics specialists. 


- Worked with students in the College of Education to develop model lessons they will use in future teaching assignments in area classrooms. (Dr. Gerhart's Class.)

- 
- **Eight** Middle School Mathematics Roadshow visits in October and November! These are opportunities to engage in relevant and timely professional learning during common planning. No need for subs! No trips off campus! So far, the evaluations from teachers who have participated have been outstanding! [Contact us](#) if your school wants to participate!

- 
- Hosted **ten** students from Dr. Sharpe's education class to use our resource room.

- **Six** high schools visited by our High School Resource teachers to directly support teachers in their classrooms with model lessons, co-teaching, and planning support.


- **30+** CSU students and area teachers used the [CRMC Resource Library](#) to support mathematics instruction. 

- 
- **Three** CRMC staff presented at the [Georgia Council of Teachers of Mathematics](#) annual meeting at Rock Eagle. Four of our staff members attended and have brought back some wonderful ideas and a deeper understanding of the new [Georgia K-12 Mathematics Curriculum](#). *Thirty*

- The Building Thinking Classroom Cohort has nearly **doubled**, with teachers from **three** districts and a half-dozen schools! [Join us here](#).

- 
- **Two** on-site, half-day workshops presented by our elementary resource teachers.

- **Two** more schools are being added to the Make it Count! program to support second-graders in developing math fluency. Could your school be a third? [Contact us here](#).

- **Four** STEM-Math Nights participation at local elementary and middle schools. 



committed to making mathematics meaningful for teachers and students!

Professional Learning and Cool Teacher Stuff

All Grades:



Social/Emotional Learning

Howie Hua (@howie_hua) tweeted at 7:57 PM on Thu, Oct 13, 2022:

New TikTok video: Do you hate math? Or do you just hate feeling frustrated?

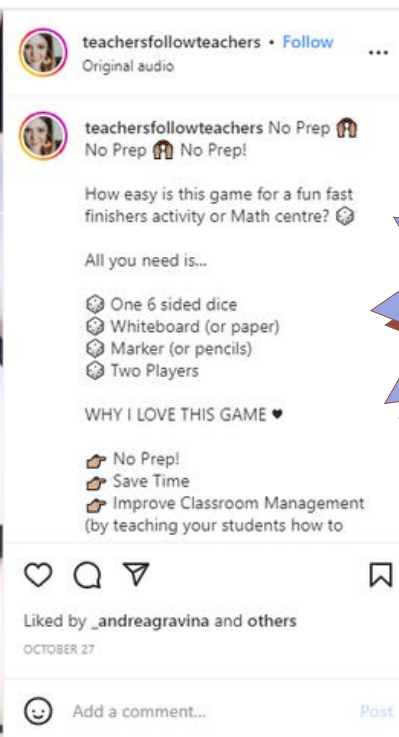
<https://t.co/2xiH4LDegO>

(https://twitter.com/howie_hua/status/1580709423101534208?t=02S7z41frGx8dXYjrpdLRw&s=03)

Grades K-5:

Make 10 Tic-Tac-Toe

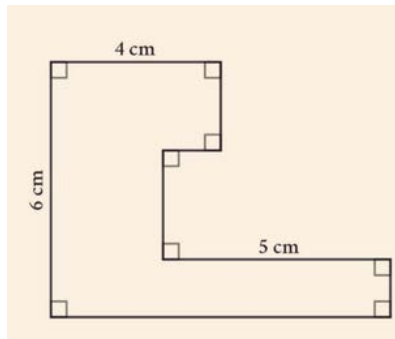
[Math Fluency Activity for Elementary Grades](#)



Professional Learning and Cool Teacher Stuff

Middle School:

Give one, Get one



What is the perimeter? What is the area? How did you go about solving it?

Share your solution: anderson_peter2@columbusstate.edu

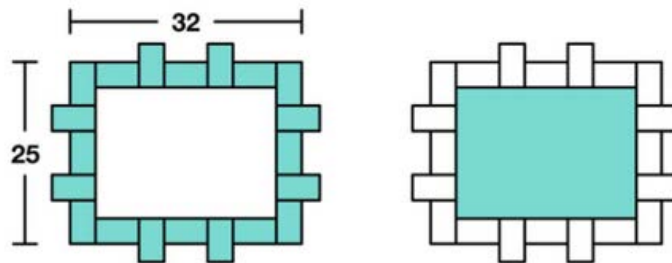
We are interested in how your classes proposed to solve this if you would share that, I will share responses in an upcoming Notes to Nerds edition (no personally identifiable information from solutions or attempts will be shared - just the work and solutions themselves.) Why would I do this?

- <https://twitter.com/i/status/1590508570554269698>

(Spoiler Alert - answers follow: Perimeter = 30 centimeters; Area = should be less than 36 centimeters squared.)

High School:

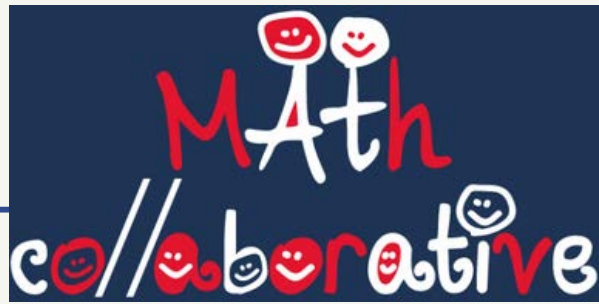
Which is more Shaded?



Share your solution: anderson_peter2@columbusstate.edu

We are interested in how your classes proposed to solve this if you would share that, I will share responses in an upcoming Notes to Nerds edition (no personally identifiable information from solutions or attempts will be shared - just the work and solutions themselves.)

(Spoiler alert: answers follow. A(left) = 420. A(right) = 450. Bricks are 3.5 by 6. The 20 bricks can fit inside the interior with a little space left over.)



REGISTER TODAY!



ALGEBRA – HEWT!

(HOW TO ENGAGE
WITH TASKS)

Free Admission for:
Muscogee County
Harris County
Russell County
Delta Kappa Gamma
Members
St. Anne Pacelli

Who: High School Teachers

When: Thursday, January 19, 2023
8:30 AM to 3:00 PM, EST

Why: This year's focus is Algebra 1. We will provide support in methods and content that will aid teachers of Algebra 1.


The approach we take will benefit all high school teachers. We promise to engage and challenge you by experiencing proven strategies to engage your students and ignite your curiosity as a mathematician and teacher. Our topics include:

- Activities to engage students and improve student dialogue;
- Just-in-time delivery of Algebra topics you will use in the classroom tomorrow and as you move into next year;
- Content development - allowing you to delve into dusty, old math topics with fresh eyes and new appreciation for how to "task it up!"

Do not worry if you are not teaching Algebra currently; this workshop will engage teachers of all classes.

[Click here to register](#) or scan below:



**Scan
me!** 



Annual Math Master's Competition Saturday, March 11, 2023

What is the Math Master's Competition?

The Annual Math Master's Competition is a middle-grades math competition. It is a collaborative effort among the CRMC, the Department of Teacher Education, and the Department of Mathematics to support the growth and challenge the minds of students. Teams work together to solve task-based math problems.

Cost to participate
in Math Masters?

The cost is \$60 per team. Invoices will be sent on the day of the event via registrant's email.

What do I win at
Math Masters?

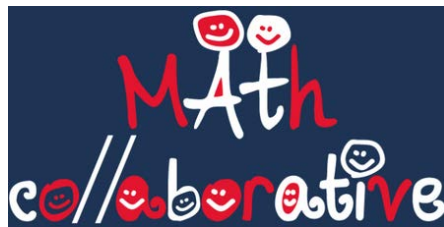
The top three teams collecting the most number of correct answers take trophies back to their schools!

I'm In.
How do I register?:
[Click Here](#) or
scan the QR below:



**MATH
MASTER**





Join Us

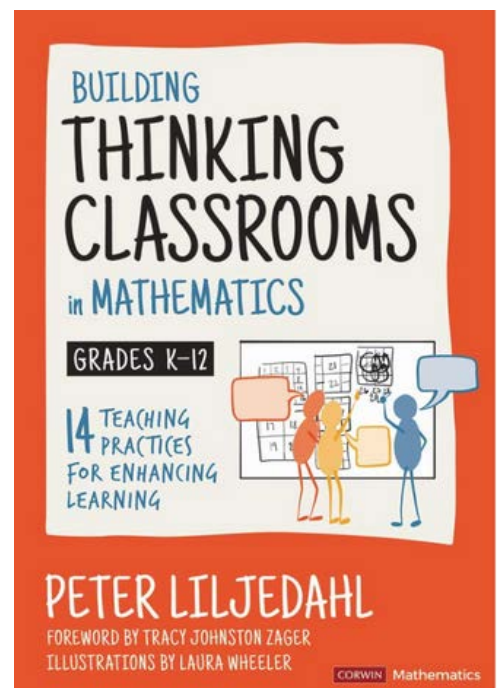


BUILDING THINKING CLASSROOMS COHORT

- ➡ Are the things you are doing in class not connecting with students?
- ➡ Would you like to engage your students more deeply?
- ➡ Are you ready for a change that works?
(I know you have heard this before.)

So, kick the tires and see if the promise fits.
It costs nothing but your willingness to participate.
We meet about once a month, after school, at Frank Brown Hall. We develop and share lessons for teaching your subject. We are looking to grow our Building Thinking Classroom Cohort with High School and Middle School teachers.

[Resource Link](#)



If you are interested,
contact Peter Anderson:
anderson_peter2@columbusstate.edu



'Make It Count!' WANTS YOUR SCHOOL

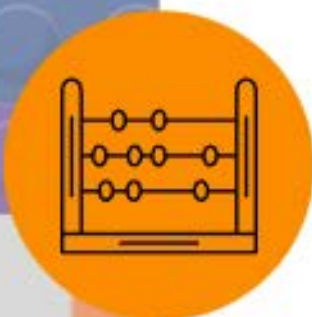
What is it?

The 'Make It Count' Project (MIC) aims to improve math fluency in second graders by building a foundation for sustained growth in mathematics. The partnership between Partners in Education and the Mathematics Collaborative (CRMC) @ Columbus State University pairs schools with volunteers who will visit second-grade classrooms to provide engaging and fun activities designed to build math fluency.

Interested?

Here is What You Need:

- Volunteers (CRMC and PIE will help recruit)
- Supervised space
- 'Make It Count' kit
- Identify students to participate
- School Point-of-Contact



Partners in
EDUCATION



Contact Us Today!

Email: anderson_peter2@columbusstate.edu



Click here to read more about our website:

[Columbus Regional
Mathematics Collaborative
Columbus State University](#)

Click the icons below to follow us on social media!



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