

COLUMBUS REGIONAL MATH COLLABORATIVE DECEMBER 3, 2021

NOTES TO NERDS

[WORKSHOPS](#)

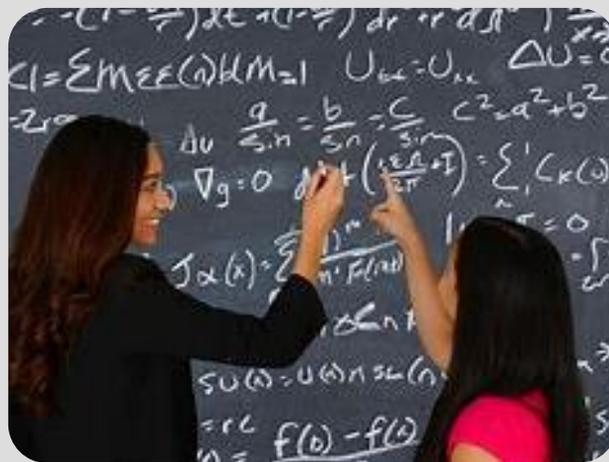
[DIRECTOR'S NOTES](#)

[NEWS ITEMS](#)

[RESOURCE TEACHERS—PUZZLE SOLUTION](#)

[MATH HUMOR](#)

[CRMC HOME PAGE](#)



UPCOMING WORKSHOPS:

DECEMBER, JANUARY, AND FEBRUARY FACE TO FACE AND VIRTUAL WORKSHOPS

THE USG CONTINUES TO WORK CLOSELY WITH THE GEORGIA DEPARTMENT OF PUBLIC HEALTH TO PRIORITIZE THE WELLNESS AND SAFETY OF CSU AND ALL OF ITS CAMPUS COMMUNITIES.
DATA SOURCE: [HTTPS://WWW.COLUMBUSSTATE.EDU/COVID/](https://www.columbusstate.edu/covid/)

Face to Face Workshops are available to Muscogee County Schools at **no cost** to the teachers.

Virtual workshops are available to Chattahoochee County, Muscogee County, Russell County, and St. Anne Pacelli schools at **NO COST** to the teachers

After the workshop, you will receive an email to fill out an evaluation.

Note: It should take less than 10 minutes to respond

Upon completion, you will receive a Certificate of attendance for the workshop.

TO VIEW AND REGISTER FOR ANY OF OUR UPCOMING WORKSHOPS, PLEASE VISIT OUR LIBCAL PAGE!

[MATHEMATICS COLLABORATIVE - LIBCAL - COLUMBUS STATE UNIVERSITY](https://columbusstate.libcal.com)

WORKSHOP COLOR CATEGORY



DATE: WEDNESDAY, DECEMBER 8, 2021 TIME: 4:15PM – 5:00PM
HIGH SCHOOL VIRTUAL WORKSHOP – HOLIDAY MATH FOR HIGH SCHOOL
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8599265](https://columbusstate.libcal.com/event/8599265)
PRESENTER: NANCY MIIMS AND PETER ANDERSON

ELEMENTARY VIRTUAL WORKSHOP: DATE: TUESDAY, DECEMBER 14, 2021 TIME: 3:45PM – 4:30PM
K-5TH ELEMENTARY SCHOOL: CREATING MATHEMATICAL THINKERS – HABIT 9: COLLABORATE TO LEARN
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8070059](https://columbusstate.libcal.com/event/8070059)
PRESENTER: LAURA STOKES

DATE: THURSDAY, JANUARY 27, 2022 TIME: 8:30AM – 3:30PM
MIDDLE SCHOOL FACE TO FACE WORKSHOP – GRADES 6-8
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8501027](https://columbusstate.libcal.com/event/8501027)
PRESENTER: HOPE PHILLIPS

ELEMENTARY FACE TO FACE WORKSHOP: DATE: TUESDAY, FEBRUARY 1, 2022 TIME: 8:30AM – 3:30PM
ELEMENTARY EDUCATION – GRADES K-2
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8560435](https://columbusstate.libcal.com/event/8560435)
FRANK BROWN HALL, ROOM 1010
PRESENTER: LAURA STOKES

DATE: WEDNESDAY, FEBRUARY 2, 2022 TIME: 8:30AM – 3:30PM
HIGH SCHOOL FACE TO FACE WORKSHOP
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8561025](https://columbusstate.libcal.com/event/8561025)
PRESENTERS: NANCY MIIMS AND PETER ANDERSON

ELEMENTARY FACE TO FACE WORKSHOP: DATE TUESDAY, FEBRUARY 8, 2022 TIME: 8:30AM – 3:30PM
ELEMENTARY EDUCATION – GRADES 3-5
[HTTPS://COLUMBUSSTATE.LIBCAL.COM/EVENT/8560877](https://columbusstate.libcal.com/event/8560877)
FRANK BROWN HALL, ROOM 1010
PRESENTER: LAURA STOKES

DIRECTOR'S NOTES

TEACHING AND APPLE PIE



I got home a little later than I expected on Wednesday night. I was thinking about that last piece of apple pie that had somehow survived the Thanksgiving Day feast. There was also some homemade whipped cream in one of those small rubber-maid containers.

I am not sure if the taste or the anticipation made chomping down on that piece of crumbly apple pie so important. I was looking forward to it!

I open the fridge as if it were a vault containing a priceless piece of art.

But, oh, I was crestfallen!

The pie was not where I had last remembered—tucked securely behind the orange juice, the leftover green bean casserole, and one head of broccoli. It was gone.

But that is the rule of the fridge; you snooze, you lose!

Sometimes a class lesson can feel similar to missing out on that piece of homemade apple pie with whipped cream on top.

My students had taken their end-of-course test the day before.

Lord only knows how much I wish this end-of-course test was truly at the end and not with three weeks remaining in on the schedule! There is so much learning left to do.

I have been saving a favorite lesson on food and calories. My anticipation for delivering this lesson to my students was akin to the apple pie in the refrigerator.

Several of my students throughout the semester had shared their thoughts on the food they eat. Some expressed that they don't eat breakfast. Others told me they only eat at school. Several students shared the joy and pride of consuming foods significant to their ethnic and cultural heritage. All but one seemed to love pizza. There was one student who was mindful of his weight for wrestling.

We started the lesson by listing the foods we loved to eat the most. Then, we discussed and listed the foods each had consumed since lunch the day before. There were questions about visualizing a calorie. Students put the physics concept in terms of Big Macs and carrot sticks. Some attempted to equate combinations of food - like how many oranges and slices of bacon equal a donut.

The task took on a life of its own -- except for a couple of students who are usually the most active in class. It hurt my heart a bit. We were thirty-plus minutes in, and they made only the most cursory attempt at the lesson.

As the whirlwind of productive activity swirled about the classroom, I sat with them and asked; What was going on? **They assured me that the lesson had nothing to do with actual math.**

I asked; Could you show me what you mean by actual math?

A student responded; *there is no problem to solve, like with x's and graphs.*

I asked; Tell me, if you had eaten 500 calories at breakfast, how many chicken tenders could you eat at lunch to stay under 2200 calories?

She retorted; *It is easy 1700 calories, but they will only serve us three tenders at lunch. And Mr. Anderson, we have PE after this class, and we walk for 30 minutes? Won't that give us more calorie room at lunch?*

Good thought, I told her. Write that down for me.

All of it? One of the girls says with a raised eyebrow.

Sure.

Can I use a shortcut?

How would you do that? I ask.

I would like to tell you that they took off and ran with it - but they did not. They humored me by writing a few foody-related equations. The young ladies did pick at it and talk about the combinations of food and calories.

Although their pencil and paper output left a little to be desired, they took in the lesson ideas.

I was happy, though. I realized they were getting something from the lesson.

Did I tell you I found the piece of pie from the fridge?

It was behind the bag of turkey on the third shelf.

The apple pie was delicious. But alas, there was no whipped cream.

So goes the life of a teacher and a leftover apple pie eater.

Happy Maths,

PETE

RESOURCE TEACHERS –PUZZLES - SOLUTION

Happy Holidays

$$\text{Candy Cane} - 6 = \text{Gingerbread Man}$$

$$\text{Candy} + \text{Candy Cane} = 11$$

$$7 + 1 = \text{Gingerbread Man} + \text{Gingerbread Man}$$

$$\text{Gingerbread Man} + \text{Candy} + \text{Candy Cane} = ?$$

			
10	4	1	15

Happy Holidays

$$\text{Santa} + \text{Gift} + \text{Santa} = 60$$

$$37 = \text{Santa} + \text{Santa} + 1$$

$$\text{Gift} = \text{Reindeer} + \text{Reindeer} + \text{Reindeer}$$

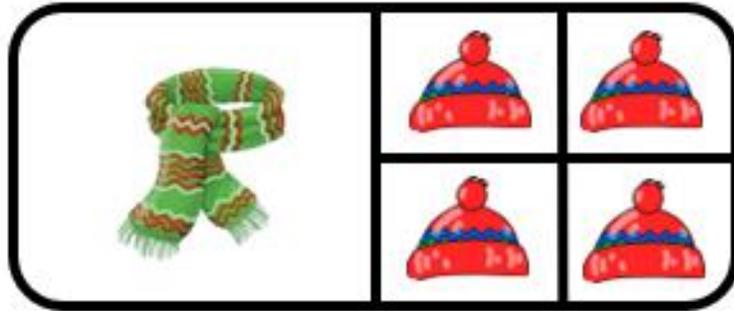
$$\text{Santa} + \text{Reindeer} - \text{Gift} = ?$$

			?
18	24	8	2

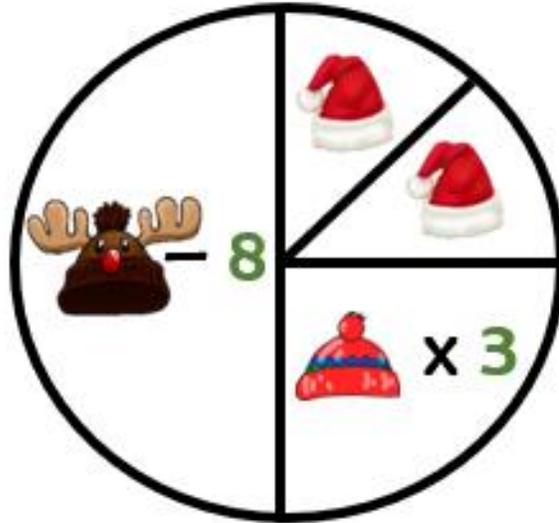
Happy Holidays



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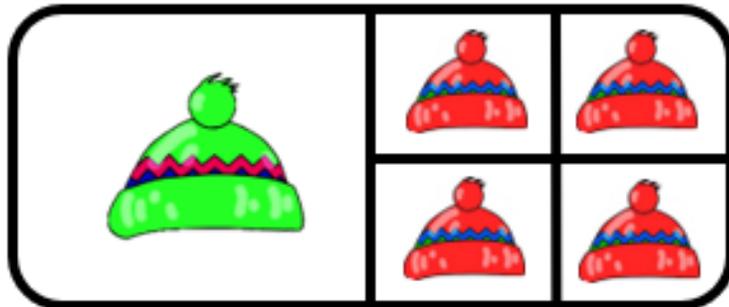


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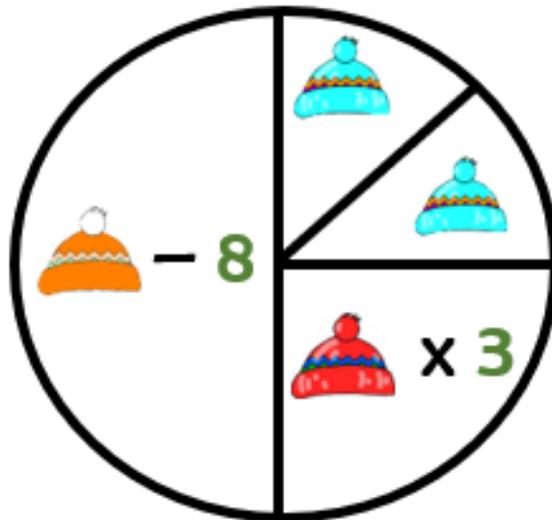
Happy Holidays



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NEWS ITEMS FOR DECEMBER 3RD



THE MATHEMATICS COLLABORATIVE IS LOOKING FOR MORE RESOURCE TEACHERS. THIS IS A PART-TIME POSITION WITH LOTS OF BENEFITS FOR THE MIND AND HEART. CONTACT [PETE](#) IF YOU ARE INTERESTED.



SO VERY PROUD OF THE SUPPORT WE ARE PROVIDING THE SCHOOLS. JUST THIS PAST MONTH ALONE WE HAVE RETURNED TO FACE TO FACE WORKSHOPS, MET WITH TEACHERS FROM MERIWETHER TO CHATTCO, AND VISITED MORE THAN 2 DOZEN TEACHERS' CLASSROOMS. THE REAL HOLIDAY STAR SHOULD GO TO THE TEACHERS AND ADMINISTRATORS WHO INVITE US INTO THEIR CLASSROOMS - THANK YOU! IF YOU WANT US TO SUPPORT THE WORK YOU DO PLEASE CONTACT US. NO QUESTION IS TOO SMALL OR TEACHER EVER TURNED AWAY! (GO AHEAD [CONTACT US](#))



A HOLIDAY TREAT! JOIN US ON WEDNESDAY, DECEMBER 8TH FOR A MATH SIZE PORTION OF HOLIDAY CHEER! YOU WILL UNWRAP A BIT OF HOLIDAY CHEER WHILE EXPLORING A TRADITIONAL CAROL AND EXPERIENCING SOME MATHEMATICS RELATED TO IT! (HIGH SCHOOL AND MIDDLE SCHOOL TEACHERS ARE WELCOME TO JOIN US! [SIGN UP HERE](#))



[HOLIDAY CALENDAR](#) - MATHIGON - CHALLENGE A DAY! LOOKS LIKE FUN! "YULE" LOVE THESE (SO MUCH FUN! I HAVE DONE TWO OF THE PUZZLES ALREADY!)



[BRAINING CAMP](#) VIRTUAL WORKSHOP- ELEMENTS OF NUMBER SENSE (FRACTIONS & DECIMALS) SARAH SCHAEFER OF [MATH]ODOLOGY WILL FOCUS ON BUILDING NUMBER SENSE WITH FRACTIONS AND DECIMALS. SHE'LL EXPLORE WAYS TO DEVELOP A STUDENT-FRIENDLY UNDERSTANDING OF DECIMALS AND FRACTIONS, AS NUMBER SENSE DEVELOPS. TUESDAY, DECEMBER 7 @ 6 ET



MARK YOUR CALENDARS - THE EAST ALABAMA COUNCIL OF TEACHERS OF MATHEMATICS AND THE CHATTAHOOCHEE COUNCIL OF TEACHERS OF MATHEMATICS PRESENTS... UNDERSTANDING DIVISION - CROSSING BORDERS WITH MATHEMATICS MARCH 1ST AT FRANK D. BROWN HALL 5:30 TO 8:30 PM. LINKS HERE TO [PRESENT A SESSION](#) AND/OR [ATTEND](#).



THE MATHEMATIC COLLABORATIVE MONTHLY MEETING IS SCHEDULED FOR DECEMBER 6TH AT 10:30 A.M. IN ROOM 1010.

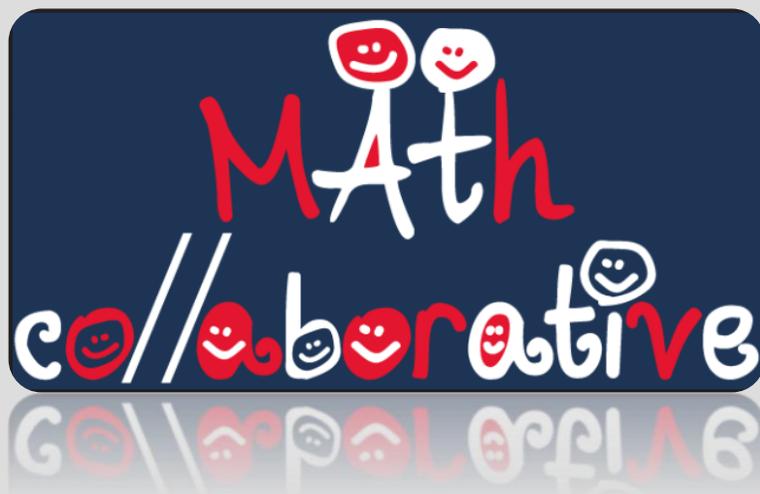
MATH HUMOR

**WHEN YOUR MATH TEACHER GIVES YOU HOMEWORK ON THE FRIDAY
BEFORE WINTER VACATION!**



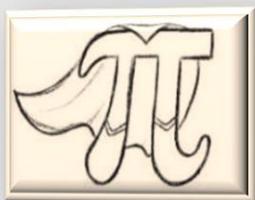
MATH TEST TODAY?





CLICK HERE TO READ MORE ABOUT OUR [WEBSITE](#)

[COLUMBUS REGIONAL MATHEMATICS COLLABORATIVE - COLUMBUS STATE UNIVERSITY](#)



COLUMBUS REGIONAL MATH COLLABORATIVE

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