

# Mu Alpha Theta



May 2023

## BOX OFFICE MATHEMATICAL MINUTES VIDEOS

### FIRST PLACE GOES TO PENNSAUKEN HIGH SCHOOL

“Calculating” is an action-packed, musical video on the Fundamental Theorem of Calculus. The music was based on *Levitating* by Dua Lipa. Nick Bonilla, President, wrote, “As a chapter, we were so excited to see that we had won the Math Minutes competition, as all of us had put a lot of effort and creativity into our video. We are glad that our funny little Calculus music video was able to be seen and enjoyed by so many other math enthusiasts. We had so much fun recording, filming, and editing, and are fortunate to have had the opportunity to participate in this competition!”

<https://youtu.be/BKMOYBKPyQY> CALCTING Calculating

# MAΘ



## Fayetteville, Arkansas 2023

### MAΘ CONVENTION JUNE 25-30, 2023

Your Co-Hosts, Tonia Crow and Kim Woolfenden, are working at hyper-speed to prepare everything for attendees to experience a fabulous convention. See you soon!

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**HUNEKE AWARD NOMINATION DEADLINE IS JUNE 15TH. NOMINATE YOUR FAVORITE SPONSOR!**

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## BOX OFFICE MATHEMATICAL MINUTES VIDEOS

1. Pennsauken High School, Pennsauken NJ  
CALCTING Fundamental Theorem of Calculus
2. Eastwood Christian School, Montgomery, AL  
QUADFORM Quadratic Formula
3. Valley Christian High School, San Jose, CA  
HRIEMANN Statistical evidence for cheating in chess
4. Valley Christian High School, San Jose, CA  
PSSNPCK Poisson Probability Distribution
5. Stratford High School, Goose Creek, SC  
DERIVEIT Derivatives
6. Okkodo High School, Barrigada, Guam  
KWLIMNOT Limit of a Function at Point (given a graph)
7. Central York High School, York, PA  
MR.LOVE Calculus
8. Arizona School for the Arts, Phoenix AZ  
RELATEDA Related Rates

Go to <https://mualphatheta.org/mathematical-minutes> or use this Flow Code to watch the videos!



## REMINDER

Students are not nor can they be sponsors. Students should direct all questions to their sponsors rather than the national office.

As a student you should not have access to the sponsor's log in or pa\$\$word.



\*  
Congratulations to all 2023 graduates! Mu Alpha Theta wishes you a bright and fulfilling life in the years to come wherever your path takes you!

## A NOTE FROM YOUR PRESIDENT, RITA RALPH:

I would like to begin by saying that it has been a great privilege to serve as your president these past few years. Looking back, it has been an exceptionally busy presidency. Most dominantly, we hired a new executive director. This was a difficult decision, which involved many interviews and meetings. Indeed, I do believe the right decision was made, and we are thankful that Dana Wade accepted our offer and has been leading MAT since. Thank you, Dana! Additionally, we have had to deal with a rapid succession of important events and situations as the world changes, many of which are still unfolding. My time as president has been a most eventful period, at times challenging, but overall a rewarding experience. I have full confidence in my successor, Rob Snow. He will lead the organization in a positive direction with his new and fresh ideas. I would like to thank all the board members and chapter sponsors for the confidence and trust they placed in me. It has been my privilege and honor to have worked with you throughout the last two years. I look forward to seeing as many of you as possible in Arkansas.

# Mu Alpha Theta

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## CONVENTION INFO

To have a positive, memorable convention experience, please...



- ◆ Introduce yourself to your those sitting near you before or after tests to make new friends.
- ◆ Bring plenty of sharpened pencils.
- ◆ Wear your nametag while at the convention.
- ◆ Take lots of photos.
- ◆ Bring dressy clothes for the final awards ceremony.
- ◆ Pack sunscreen.
- ◆ Get to meals on time.
- ◆ Be on time for tests!
- ◆ Attend mixers and speaker sessions.
- ◆ Keep your room neat! The university is doing us a favor by hosting us, and your mother doesn't work there.
- ◆ Ensure that your delegate attends the delegate meetings.
- ◆ Be in your room by curfew!

## Shuttle Buses

Shuttle buses, provided by the convention, will run from the airport to the University of Arkansas on Sunday, June 25, and from the dorms to the airport on Friday, June 30 (4:00 a.m. until noon).

## Registration/Check Out

Registration will begin at 11:00 a.m. on June 25. Checkout time ends at 11:00 a.m. on Friday, June 30. Before check out, participants are required to put trash in the bags provided and put linens and towels in one pile on the dorm floor.

## Submit a Picture and Logo

Please submit a picture of your MAΘ chapter (members, school, activity, etc) or school/chapter logo in jpg format to [woolfmath@aol.com](mailto:woolfmath@aol.com) and [info@mualphatheta.org](mailto:info@mualphatheta.org) by June 1, 2023.

Be sure to include the name of your school in the subject line of the e-mail.

## Remind Text Group

All sponsors **must** join the Remind text group. Text to 81010, @maonats2. This group is for sponsors only.

## Note to Student Delegates:

Be sure to read the Student Delegate Assembly Bylaws. These can be found on at <https://mualphatheta.org/student-delegate-assembly>



# Mu Alpha Theta

May 2023

## A note from Executive Director, Dana Wade:

The National Office is a very busy place right now: shipping graduation apparel every day, awarding scholarships, finishing the Math Minutes video contest, and preparing for the over 500 participants at our upcoming convention in Fayetteville, Arkansas. Over 30 schools have registered to attend, and we are excited to meet them in just a few weeks!

Next week, I will travel to Dallas, Texas, to attend the special awards ceremony for the Regeneron ISEF 2023. The students awarded by Mu Alpha Theta are amazing – and many are MAΘ members at their schools!

## Numbers as of May 8, 2023

MAΘ Chapters: 2524

MAΘ Members: 107,037

Chi Alpha Mu Chapters: 252

Completely Registered Convention Chapters: 32

Convention attending students: 444

Convention attending adults: 72

All numbers have increased since May 2022.

**WATCH YOUR EMAIL FOR PAST DUE NOTICES! ALL INVOICES MUST BE PAID BY THE END OF THE ACADEMIC YEAR.**

## APRIL PUZZLER RESULTS:

What is the sixth number of the sequence: 6, 15, 35, 77, ...

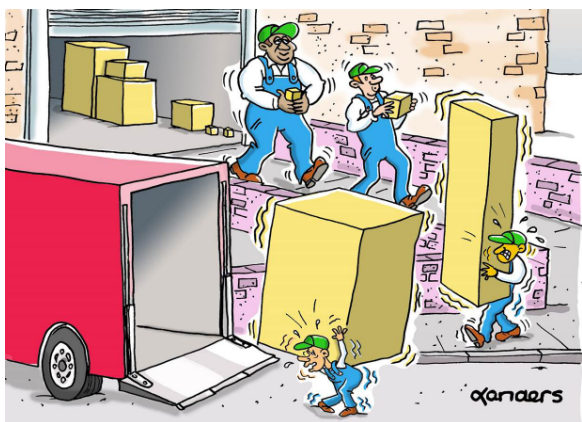
How did you get your answer?

The pattern is 6, 15, 35, 77,  $11 \cdot 13 = 143$ ,  $13 \cdot 17 = 221$ ... I think the pattern is built by multiplying consecutive pairs of prime numbers.

Congratulations to Grace Contreras, winner of patches for her chapter.

If you believe your submission got lost, please contact Kathy at [Kathy@mualphatheta.org](mailto:Kathy@mualphatheta.org). Thanks!

There is no May Puzzler because the Puzzler went on vacation for three weeks where she learned that obrigada is Portuguese for thank you. Watch for something next fall, and obrigada.



The CAUSE April caption contest cartoon is shown here. The judges found the winning caption to be *“Collecting data requires knowing what sample size one can feasibly handle!”* written by retired AP Statistics teacher Jodene Kissler. Jodene’s caption can be used in discussing how choosing an appropriate sample size must balance budget and logistics along with statistical power.

[www.causeweb.org](http://www.causeweb.org)

