President's Message

Conference Day is here! I truly enjoy seeing such an amazing group of educators share their experience and expertise at the annual MTA conference. I offer a heartfelt thank you to all of the presenters today. It is your willingness to present that makes the MTA conference such a fantastic event. Thank you as well to all the participants who have travelled from across the province to take part in the learning and connecting happening today.

I would also like to thank the MTA executive who have worked tirelessly to ensure that this conference is a success. If you'd like to say hello to the executive and hear about their work, please visit us during the AGM in the library at 12:30.

A final thanks to our two keynote presenters, Nat Banting and Lisa Lunney Borden. I'm excited to hear their uplifting and enlightening messages.

Erick Lee, President
Mathematics Teachers Association

Message du président

La journée de la conférence est là ! Ça me réjouit vraiment de voir des éducateurs et des éducatrices aussi extraordinaires partager leurs expériences et leurs expertises lors de la conférence annuelle du MTA. Je remercie sincèrement tous ceux et celles qui présentent aujourd'hui. C'est votre volonté et enthousiasme qui rend la conférence MTA un événement si fantastique. Merci à tous ceux et celles qui viennent de partout dans la province pour participer aux apprentissages et aux échanges qui vont avoir lieu aujourd'hui.

Je voudrais également remercier les membres du Comité Exécutif de la MTA qui ont travaillé sans relâche pour s'assurer que cette conférence soit un succès. Si vous souhaitez saluer les membres du Comité Exécutif et en savoir plus à propos du travail accompli, veuillez nous rendre visite lors de l'AGA à la bibliothèque à 12h30.

Un dernier merci à nos deux présentateurs principaux, Nat Banting et Lisa Lunney Borden. Je suis ravi d'entendre leurs messages édifiants et instructifs.

Erick Lee, Président
Mathematics Teachers Association

News about Mathematics and Education

- **Desmos 3D**— Desmos has recently released a new 3D Calculator. Explore dynamic curves and surfaces in a 3D tool created with the power of the 2D tool you know and love. Check out this YouTube video for an overview: https://youtu.be/vMqtcDzhqUk or visit the Desmos Help Centre online https://help.desmos.com
- Have you tried **Find the Primes**? (https://mathsbot.com/puzzles/findThePrimes). You have 20 seconds to identify all of the prime numbers on a 5x5 grid. Each level gets progressively more difficult. One of the many tools and resources at the MathsBot.com website.

MTA Conference Notes

Session A — 9:00 - 10:15

Break — 10:15 - 10:35… have a snack, visit the vendor tables or catch up with an old friend

Session B — 10:35 - 11:50

Lunch — 11:50 - 1:15 … Check out the MTA Annual General Meeting in the Library at 12:30

Session C — 1:20 - 2:40

Adventures in Logic and Reasoning
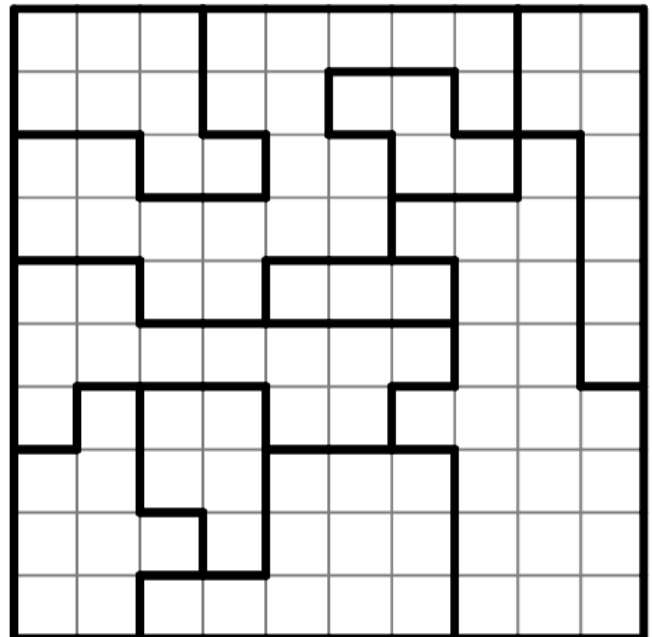
KrazyDad Puzzles

Inky

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Star Battle

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Fill in the blank squares so that each row and each column contain all of the digits 1 thru 5 .

The heavy lines indicate areas (called cages) that contain groups of numbers that can be combined (in any order) to produce the result shown in the cage, with the indicated math operation.

In these 10x10 puzzles, each row, column and bolded region must contain two stars. The stars can't touch each other, not even diagonally.

For more KrazyDad math and logic puzzles, visit https://krazydad.com/. Hundreds of puzzle await!

Mamma's Age

The following age puzzle comes from Henry Earnest Dudeney's 1917 book Amusements in Mathematics.

Tommy: "How old are you, mamma?"
Mamma: "Let me think, Tommy. Well, our three ages add up to exactly seventy years."
Tommy: "That's a lot, isn't it? And how old are you, papa?"
Papa: "Just six times as old as you, my son."
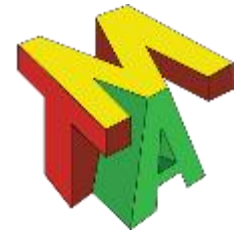Tommy: "Shall I ever be half as old as you, papa?"
Papa: "Yes, Tommy; and when that happens our three ages will add up to exactly twice as much as to-day."
Tommy: "And supposing I was born before you, papa; and supposing mamma had forgot all about it, and hadn't been at home when I came; and supposing——"
Mamma: "Supposing, Tommy, we talk about bed. Come along, darling. You'll have a headache."
Now, if Tommy had been some years older he might have calculated the exact ages of his parents from the information ad given him. Can you find out the exact age of mamma?

Nova Scotia Math Teachers Association Executive

Below are the current members of the NS MTA Executive. The membership and the positions of the executive change each year at the Annual General Meeting held at the MTA Provincial Conference (The MTA provincial conference is on the fourth Friday in October of each year).

Name	Position	Contact
Erick Lee	President / Communications	eplee@nstu.ca
Jocelyn Procopio	Vice-President	jmprocopio@nstu.ca
David MacFarlane	Treasurer	sdmacfarlane@nstu.ca
Anne Pentecost	Secretary	adgrenier@nstu.ca
Jennifer Courish	Member-at-Large Chignecto	courishjl@nstu.ca
Kimberley McCarron	Member-at-Large Cape Breton	kamccarron@nstu.ca
Joe MacDonald	Member-at-Large South Shore	jamacdonald@nstu.ca
Cailen Langille	Member-at-Large Tri-County	cailen@nstu.ca
Brad Pemberton	Member-at-Large Annapolis Valley	bfpemberton@nstu.ca

Special Projects

The MTA strives to give back to its membership by making funding available for special projects developed by classroom teachers. If you have an innovative math education project taking place in your classroom(s), MTA may be able to offer some financial assistance to help develop the project. Information on funding can be obtained by contacting any member of the Executive.

Call for Contributions

We are better together. Mathematics Matters, the MTA newsletter, is looking for a variety of contributions from classroom teachers, math mentors and coaches, math support/intervention teachers and others who are interested in the teaching and learning of mathematics. Please consider sharing a favorite lesson or activity, a reflection or blog post, a book or technology review, or another work of interest to mathematics teachers in Nova Scotia and beyond. Sharing your ideas and reflections with other teachers is a great way to contribute to a vibrant and dynamic community of mathematics educators in our province.

If you are interested in contributing, please contact me at eplee@nstu.ca. We look forward to hearing from you!