



## A message from the Executive Director, Tom Young

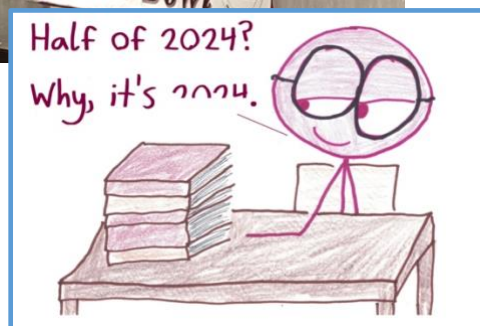
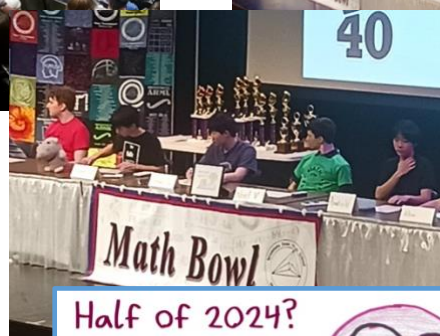
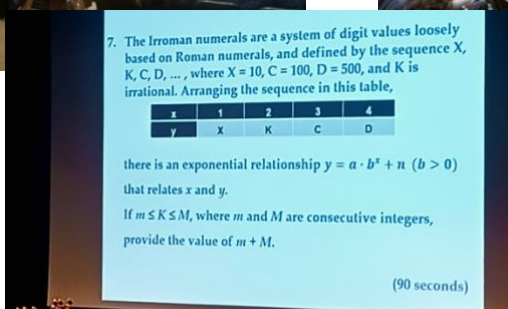
Hello all! Another Math League season complete! Now it's SMI and Summer Coaches Conference planning

Here's Newsletter #5 for the 2023 – 2024 season. In it, notice these items:

1. A message from Colin Gardner – Springer
2. A wrap up of the State Tournament
3. SMI and Coaches Conference details
4. Meet Dates for 2024 – 2025
5. Plan for next year for Math League 2.0
6. Video Contest winners Past and Present
7. Scenes from behind the scenes
8. Problem Corner
9. Standings after Meet 5



## Photos from the Tournament Math Bowl



# 1. A message from Colin Gardner – Springer

*As mentioned in previous newsletters, our competition format will be changing next season. Most notably, the number of individual events is shrinking from four to three, and all students will participate in all three events.*

This obviously requires a significant reorganization of the topics list, which is underway, and has been based heavily on input received during the topics list work session at last summer's coaches conference. Coaches will get another chance to weigh in with feedback and suggestions on this proposal, so stay tuned and watch for emails from the League! The 2024-25 topics list will then be finalized at a spring meeting of the full board.

The Minnesota State High School Mathematics League has a long and proud tradition, and it's important to note that all of us involved in implementing this change are determined to preserve this. While the meet structure is changing and topics will be reorganized, from a student's perspective this should still "feel like" Math League.

We're also committed to ensuring that there are accessible problems and topics on all three events across all five meets. That said, younger and less experienced students will initially find many unfamiliar topics - that's OK! Focus on helping them learn one or two topics per event each year, and their skills (and scores) will naturally increase over time. Success comes in many forms, and getting even a single problem correct is something to celebrate and build on.

*None of this would be possible without you, the coaches. Once the topics list is finalized, we'll be sending practice materials and resources to help you prepare your students for these changes. Thank you for your dedication to the Math League!*






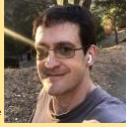




Colin Gardner-Springer ([colin@gardner-springer.com](mailto:colin@gardner-springer.com))

Head of the problem writing team

## 2. State Tournament Wrap Up



### Honorary Judges for Math Bowl

<p><b>Jackie Herman</b></p> <ul style="list-style-type: none"> <li>C-Suite Executive &amp; Board Member of Crown Bank</li> <li>Leadership Team of Independent Community Bank of America (ICBA)</li> <li>Graduate School of Banking UW-Madison</li> <li>Certificate Private Company Governance 2023</li> <li>Women Transforming Business 2022</li> <li>Circle of Excellence Top Women in Finance 2020</li> <li>"Jackie is a versatile and talented professional who brings energy, expertise and leadership to banquets."</li> <li>- Jim Amundson</li> <li>Served on Central Bank Digital Currency (CBDC) focus group which was formed to support the Congressional Research Services CBDC Policy Issues, an initiative to react to the 2022 Presidential Working Group (PWG) announcement.</li> </ul> 	<p><b>Dr. Leo Lewis III</b></p> <ul style="list-style-type: none"> <li>24 years with the Minnesota Vikings as a player, pro scout, and Director of Player Development.</li> <li>Ph.D. in kinesiology from the University of Minnesota</li> <li>Principal of <b>Lewis Performance Partners</b> consulting and training for business and physically active individuals.</li> <li>Founder and President of <b>Lewis Sports Foundation</b>, non-profit dedicated to providing resources to youth to develop life skills through education and physical activity.</li> <li>King Boreas for 2023 Winter Carnival</li> </ul> 	<p><b>Belinda Jensen</b></p> <ul style="list-style-type: none"> <li>Chief Meteorologist at KARE11, News Saturday Anchor, and co-host of "Grow with KARE" since 1993</li> <li>BS Meteorology Wisconsin Madison</li> <li>AMS Seal of approval for broadcast meteorology.</li> <li>Promotes involving students, particularly girls, in science.</li> <li>Author of <i>Bel the Weather Girl</i> book series helping kids deal with weather anxiety</li> </ul> 	<p><b>Evelyn (Gran Evie) Young</b></p> <ul style="list-style-type: none"> <li>Graduated from Robbinsdale High School 1941</li> <li>Married Paul Young 1947</li> <li>Raised 6 children and is proud of all of them</li> <li>Timothy 1949</li> <li>Constance 1951</li> <li>Martin 1955</li> <li>Thomas 1958</li> <li>Randal 1961</li> <li>Ross 1962</li> <li>Has 14 grandchildren and 27 great grandchildren</li> <li>Sends them a \$5 bill on their birthdays</li> </ul> 
<p><b>Adam L Randall</b></p> <ul style="list-style-type: none"> <li>Chief and Owner of Tio's Tacos</li> <li>Graduate of Minneapolis North</li> <li>Graduated from St Paul College at 53</li> <li>Is Certified Executive Chef</li> <li>Married to Barbara Randall (34 years)</li> <li>Father of three boys</li> <li>Papa to three grandchildren</li> <li>Has appeared with Jason DeRusha and Belinda Jensen</li> </ul> 	<p><b>Tim Chklovski</b></p> <ul style="list-style-type: none"> <li>CEO: Prediction Machine LLC</li> <li>Managing Partner: Prepared Mind LLC</li> <li>PhD Computer Science (AI) MIT</li> <li>MEM in EECS</li> <li>Picked big problems to work on</li> <li>Published extensively in HLP</li> <li>Worked on AI before it was cool</li> <li>Uses large computers and alternative data to predict the markets</li> <li>Was first MN Math League student to make the IMO team 1993</li> <li>Bronze Medalist IMO 1993</li> </ul> 	<p><b>Jason DeRusha</b></p> <ul style="list-style-type: none"> <li>Political Science/Broadcasting, Marquette, summa cum laude</li> <li>Host, WCCO Radio Drive Time 3-6p</li> <li>Food Critic, Minnesota Monthly</li> <li>10 Regional Emmy Awards, National Finalist for James Beard Award</li> <li>Dad of a HS junior and an NYU Comp Sci major</li> </ul> 	<p><b>Willie L. Jett II</b></p> <ul style="list-style-type: none"> <li>MN Commissioner of Education</li> <li>Oversees 500+ public school districts and Charter Schools, with more than 870,000 public school students</li> <li>Masters in Education, U of Pittsburgh</li> <li>Most proud of his two bambinos, a son who is senior in college and a daughter who is a sophomore in college</li> <li>Served as superintendent, assistant superintendent, principal, educator and coach</li> <li>Worked in casinos in Las Vegas and known to play a little basketball back in the day</li> </ul> 
<p><b>Maria Burns Ortiz</b></p> <ul style="list-style-type: none"> <li>CEO, 7 Generation Games</li> <li>Educational Games That Make You Smarter</li> <li>BA from NYU</li> <li>Board of Directors, Risen Christ Catholic School &amp; Trio House Press</li> <li>Wrote a NY Times bestseller</li> <li>Inducted into her HS sports Hall of Fame Fall 2023</li> <li>Has three amazing children, including DeLaSalle Math League president</li> </ul> 	<p><b>Ben Orlin</b></p> <ul style="list-style-type: none"> <li>Known internet-wide as "the Math with Bad Drawings guy"</li> <li>B.A. in Math and Psychology, Yale</li> <li>M.S. in Data Analytics, Georgia Tech</li> <li>Author of four books, peaking at #4 on the Kindle nonfiction charts</li> <li>Invited speaker everywhere from Texas to Finland</li> <li>Taught every level of math from 6th grade to college</li> <li>Truly and honestly cannot draw</li> </ul> 		

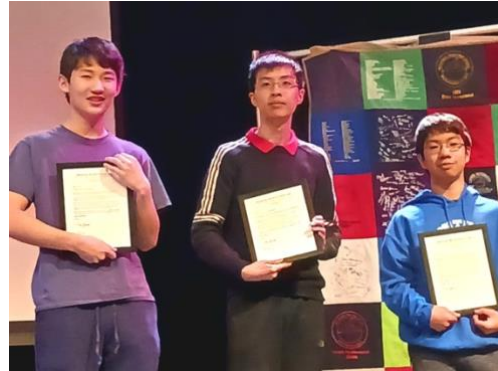
### Individual Achievement

#### Top Day of Tournament Performances



**Henry Zheng 12 Edina**  
**Sam Kretschmar 10 Spring Lake Park**  
**Kevin Qiu 10 Wayzata**

#### Top Performance season plus tournament



**Kevin Qiu 10 Wayzata**  
**Henry Zheng 12 Edina**  
**Eric Ding 8 Century**



# School Achievement

## Class A

1	Breck	64
1	Parnassus Preparatory	64
3	Shattuck-St Mary's	54
4	Cotter High School	43
5	Proctor HS	40
6	New London Spicer HS	40
7	Cannon Falls HS	34
8	Luverne Jr Sr HS	30
9	Pelican Rapids HS	30
10	Thief River Falls HS	30



**Shattuck St. – Mary’s**



**Parnassus Preparatory**



**Breck**

## Class AA

1	Highland Park HS	68
2	St. Croix Lutheran	62
3	Minnehaha	58
4	Mankato West HS	57
5	Tech HS	51
6	St. Agnes School	47
7	Hermantown HS	44
8	Mound Westonka	43
9	St. Anthony Village	42
10	Grand Rapids HS	37



**Minnehaha Academy**



**St Croix Lutheran**



**Highland**

## Class AAA

1	Wayzata HS	114
2	Century HS	95
3	Edina HS	94
4	Blake School	88
5	Minnetonka Senior HS	84
6	Spring Lake Park HS	82
7	St. Paul Academy	79
8	Mounds View	76
9	East Ridge HS	74
10	International School MN	74
11	Mayo HS	69
12	Central HS	69
13	Eastview HS	64
14	Eden Prairie HS	62
15	Duluth East HS	62
16	Elk River HS	53
17	Washburn High School	53
18	Rosemount HS	48



**Edina**



**Wayzata**



**Century**

### 3. Summer Math Institute and Summer Coaches Conference

**SMI: June 23 – June 28 Residential program \$750**

Grades 7 – 9

Deb Fagan & Megan Bierwirth

Eureka: Uncover the patterns!

Join mathematicians on a quest to discover patterns in math and the world around us. In this camp you will experience “A-ha” moments as you uncover, decipher, and predict using patterns to help explain complex topics in math, science, and gaming.

Grades 10 - 12

Ken Suman & Tom Young

Topics in Spherical Trigonometry

Spherical trigonometry is the study of triangles drawn on the surface of a sphere. The principal applications of spherical trigonometry are in navigation, aviation, and geography on the terrestrial sphere and in astronomy of the celestial sphere



# Summer Coaches Conference July 18 and 19

## Topic: navigating the new changes to the League



### 4. Meet Dates for 2024 – 2025

In the second newsletter we asked for your opinion as to which of the following two schedules you would prefer

2024 - 2025
November 4, 2024
November 25, 2024
December 16, 2024
January 27, 2025
February 10, 2025
March 10, 2025

2024 - 2025
November 18, 2024
December 9, 2024
January 13, 2025
February 3, 2025
February 24, 2025
March 24, 2025 (possibly March 17 depending on school availability)

On April 9<sup>th</sup>, the Executive Committee is going to weigh in on this subject.

**It is the League’s Executive and Associate Directors recommendations that we adopt the “Two before winter break” schedule as long as the State Tournament is March 17.**

**STAY TUNED!**



## 5. New Competition Structure for 2024 – 2025 and beyond

**Overview:** Due to the pandemic and the shifting nature of the League Operations the League Office thought it was necessary to evaluate our current operations to see if they fit the reality of today. In order to get the best data, the League Office distributed a survey that went out to all coaches, hosted an in-person retreat with 15+ coaches and the Executive Committee, and dedicated the majority of the Coaches Conference to this topic. Based on the robust discussions over the last few months, the Executive Committee drafted this proposal which the Board approved October 1<sup>st</sup>. These changes will go into effect in the 2024 – 2025 season

**Timeline:** These changes, adopted by the Board, will be implemented for the 2024-2025 school year.

**Part 1:** The structure of meets will be changed from 4 individual events to 3 individual events, ***with all students participating in all individual events.***

### **Rationale:**

- Allows 9th and 10th grade students more access for advanced questions.
- Keeps the time frame for In-Person Meets the same
- Eliminates the disparity of choosing different events for different students.
- Retains the process of selecting the scoring team ahead of time.
- Allows for easier substitutions when students are absent.

### **Specific Details:**

- The 3 individual events will each have 5 questions.
  - Each question will be worth 1 point.
  - There will be two “quickie questions” per event.
  - Power scoring will still be in place.
- Coaches will still need to set their scoring team prior to the Meet start.
  - No more than 6 of the 8 scoring team members shall be beyond the 10th grade (as is currently the case).
- Team Event Scoring
  - There will be 6 questions on the team event.
  - Each question will be worth 5 points.
  - A perfect team score at one meet will be 150 points.
- The topic list will be revised and submitted to the board for approval at a future meeting.
- Additional practice materials will be created, perhaps including a reorganizing of the problem archive.
- Coaches might be able to select a Junior Varsity team in the scoring system (implementation pending)

**Part 2:** Implement a “Guess the Interval” for Meet 1 and Meet 5.

**Rationale:** This event will increase competition fun for all students and the team aspect and bonding amongst students.

### **Specific Details:**

- The League Office will create and provide an overview, scoring instructions, and instructional video on how to implement it.
- This will not be a part of the scoring system.
- This event will be available as an in-person, virtual, and hybrid version for Meet 1.
- This event will take place live at Meet 5.

## 6. Math Team Video Contest Winners over the Past Few Years

Highly recommend watching them!!

[Math League Videos](#)

### 7. SCENES from Behind the Scenes



## Problem Corner

an effort to spur conversation

If you'd like to contribute a problem or send in a solution, email [tomyoungmathman@gmail.com](mailto:tomyoungmathman@gmail.com)

Student solutions encouraged!

## Newsletter #42 Puzzler:

11+	2÷		20×	6×	
5	6	3	4	1	2
6	3-	4	5	3÷	3
240×		6×			
4	5	2	3	6	1
3	4	6×	7+	30×	
		1	2	5	6
6×					9+
2	3	6	1	4	5
8+			2÷		
1	2	5	6	3	4

## Newsletter #43 Puzzler:

<https://www.hitbullseye.com/puzzle/hard-math-puzzles.php>

There are 3 colored boxes - Yellow, Black and Orange. Each box contains 2 envelopes. Each envelope contains cash - two of them contain Rs. 250000 each, two of them contain Rs. 150000 each and remaining two contain Rs. 100000 each.

There is one statement written on the cover of each box.

- \* Yellow Box: Both, a yellow box and a orange box contain Rs. 100000 each.
- \* Black Box: Both, a black box and a yellow box contain Rs. 250000 each.
- \* Orange Box: Both, a orange box and a black box contain Rs. 150000 each.

Only one of the above 3 statements is true and the corresponding box contains the maximum amount.

Can you tell which box contains the maximum amount and how much?





## 2024 Final Standings by Class

1	580 Wayzata HS	2AAA Southwest Suburban
2	538 Century HS	1AAA Big 9
3	535 Edina HS	2AAA Southwest Suburban
3	535 Minnetonka Senior HS	2AAA Southwest Suburban
5	485 East Ridge HS	3AAA Suburban East
6	476 St. Paul Academy	4AAA Tri-Metro
7	442 Mounds View HS	7AAA North Suburban
8	440 Blake School	2AAA Tri-Metro
9	438 Eastview HS	3AAA South Suburban
10	423 Mayo HS	1AAA Big 9
11	419 Spring Lake Park HS	7AAA North Suburban
12	404 International School of MN	2AAA Canterbury
13	397 Eden Prairie HS	2AAA South Suburban
14	396 Central HS	4AAA St Paul City
15	387 Rosemount HS	3AAA South Suburban
16	385 Elk River HS	5AAA Mississippi
17	379 Duluth East HS	8AAA St Louis River
17	379 Eagan HS	3AAA South Suburban
19	374 Woodbury HS	3AAA Suburban East
20	370 Lakeville South	1AAA Canterbury
21	349 Washburn High School	6AAA Minneapolis
22	347 White Bear Lake HS	4AAA Suburban East
23	346 Andover HS	5AAA Twin City Sub West
24	342 Apple Valley HS	3AAA South Suburban
24	342 Sartell HS	8AAA Central Gopher
26	340 Irondale HS	7AAA North Suburban
27	330 Blaine HS	7AAA North Suburban
28	316 Hopkins HS	6AAA Southwest Suburban
29	305 Bemidji HS	8AAA Northern Lights
30	300 Southwest HS	6AAA Minneapolis
31	296 Bloomington Kennedy HS	6AAA South Suburban
32	289 Stillwater Area HS	4AAA Suburban East
33	288 Moorhead HS	8AAA West Central
34	283 Jefferson HS - Bloomington	6AAA South Suburban
35	280 St Louis Park HS	5AAA Southwest Suburban
36	279 Champlin Park	5AAA Twin City Sub West
37	274 Burnsville HS	6AAA South Suburban
38	270 St. Michael-Albertville HS	5AAA Mississippi
39	264 Cambridge-Isanti HS	8AAA Rum River
40	249 Visitation - St Thomas Academy	4AAA Classic Suburban
41	237 John Marshall HS	1AAA Big 9
42	232 Lakeville North	1AAA Canterbury
42	232 Park HS	3AAA Suburban East
44	228 Roseville Area HS	7AAA Suburban East
45	217 Maple Grove Sr HS	5AAA Twin City Sub West
46	213 North St Paul HS	4AAA Classic Suburban
47	203 Farmington HS	1AAA Canterbury

48 190 Coon Rapids HS	7AAA Twin City Sub West
49 177 Tartan High School	4AAA Classic Suburban
50 176 Owatonna HS	1AAA Big 9
51 172 Chanhassen/Chaska HS	6AAA Canterbury
52 169 Harding HS	4AAA St Paul City
53 157 Sauk Rapids-Rice HS	8AAA Central Gopher
54 70 Osseo HS	5AAA Twin City Sub West

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1 380 St. Croix Lutheran HS	4AA Tri-Metro
2 366 Minnehaha Academy	4AA Tri-Metro
3 360 Hermantown HS	7AA St Louis River
4 357 Highland Park HS	3AA St Paul City
5 338 St. Agnes School	4AA Tri-Metro
6 329 Marshall School	7AA St Louis River
7 319 Cretin-Derham Hall HS	4AA St Paul City
8 318 Academy of Holy Angels	4AA Tri-Metro
9 313 Mound Westonka HS	2AA Metro Alliance
10 307 Mankato West HS	1AA MN Valley
11 305 Schaeffer Academy	1AA Hiawatha
12 301 Marshall HS	2AA Dynamic South
13 293 MN Valley Lutheran HS	1AA MN Valley
14 290 Totino-Grace HS	5AA North Suburban
15 286 St. Anthony Village	5AA Metro Alliance
16 276 Grand Rapids HS	8AA Iron Range
17 274 Mahtomedi HS	3AA Classic Suburban
18 272 Alexandria Area HS	8AA West Central
19 269 Hill Murray HS	3AA Classic Suburban
20 263 Kennedy Secondary-Fergus Falls HS	8AA West Central
21 262 Tech HS	6AA Central Gopher
22 254 Benilde-St Margaret's HS	6AA Metro Alliance
22 254 Holy Family Catholic High School	2AA Canterbury
24 237 Mankato East HS	1AA MN Valley
25 226 Cloquet HS	7AA St Louis River
26 225 Chisago Lakes HS	7AA Rum River
27 224 Hibbing HS	7AA Iron Range
28 221 Osceola HS	7AA Suburban East
29 211 Monticello HS	6AA Mississippi
29 211 Orono HS	2AA Metro Alliance
31 208 Big Lake HS	6AA Mississippi
32 207 DeLaSalle HS	5AA Tri-Metro
33 201 Annandale	2AA Mississippi
34 198 Eagle Ridge Academy	4AA Canterbury
35 186 Roosevelt HS	5AA Minneapolis
36 184 Denfeld HS	7AA St Louis River
37 178 Minneapolis South HS	5AA Minneapolis
38 177 Rock Ridge	7AA Iron Range
39 169 Northern Cass	8AA West Central

40	162 Hutchinson HS	2AA Prairie
41	157 Simley HS	3AA Classic Suburban
42	156 St. Peter HS	1AA MN Valley
43	141 South St Paul HS	3AA Classic Suburban
44	139 Faribault HS	1AA Big 9
45	122 Johnson HS	3AA St Paul City
46	111 Washington Tech HS	3AA St Paul City
47	104 Apollo HS	8AA Central Gopher
48	102 Columbia Heights HS	5AA Metro Alliance
49	79 Princeton HS	6AA Rum River
50	74 Edison HS	5AA Minneapolis
51	69 Red Wing HS	1AA Hiawatha
52	64 Foley HS	6AA Rum River
53	28 Fridley HS	5AA Metro Alliance
54	14 Cooper-Robbinsdale HS	6AA Southwest Suburban

1	331 Shattuck-St Mary's	2A Wasioja
2	330 Breck	4A Southwest Suburban
3	322 Cotter High School	1A Hiawatha
4	311 Parnassus Preparatory School	4A North Suburban
5	261 Luverne Jr Sr HS	2A Dynamic South
6	253 Hope Academy	4A Minneapolis
7	250 Lourdes HS	5A Hiawatha
8	249 Waseca HS	2A MN Valley
9	245 Proctor HS	7A St Louis River
10	235 Cannon Falls HS	5A Wasioja
11	229 New London Spicer HS	3A Prairie
12	228 Pelican Rapids HS	6A West Central
13	227 Atwater-Cosmos-Grove City	3A Prairie
14	219 Barnum HS	7A Polar
15	211 Dassel-Cokato HS	3A Prairie
16	209 Plainview-Elgin-Millville HS	1A Three Rivers
17	206 Moose Lake HS	7A Polar
18	198 Esko HS	7A Polar
19	195 Mounds Park Academy	4A Tri-Metro
20	189 Thief River Falls HS	8A Northern Lights
21	182 Fairmont HS	2A MN Valley
22	181 St Charles HS	1A Three Rivers
23	174 Hillcrest Lutheran Academy	6A West Central
24	172 Lakeview HS	3A Dynamic South
25	171 Blue Earth Area HS	2A MN Valley
26	166 Greenbush-Middle River	8A Northern Lights
27	165 Pine Island HS	5A Wasioja
28	164 Montevideo HS	3A Dynamic South
29	157 La Crescent Senior HS	1A Three Rivers
30	154 Breckenridge HS	6A West Central

31	151 East Central Secondary School	7A Polar
32	148 Mora HS	7A Rum River
33	146 Albany High School	6A Central Gopher
33	146 Lewiston Altura HS	1A Three Rivers
35	144 North Woods School	8A Iron Range
36	137 MACCRAY HS	3A Prairie
37	132 Wabasha/Kellogg HS	1A Three Rivers
38	129 Mt. Iron-Buhl	8A Iron Range
39	123 Nevis HS	6A Northern Lights
40	110 Badger HS	8A Northern Lights
41	108 Lake Crystal Wellcome Memorial	2A MN Valley
42	103 Zumbrota-Mazeppa	5A Wasioja
43	102 Dover-Eyota HS	5A Three Rivers
43	102 Minneapolis-North Community HS	4A Minneapolis
45	98 Lincoln HS - Lake City	1A Hiawatha
45	98 Tri-City United	2A Wasioja
47	93 Kenyon-Wanamingo HS	5A Wasioja
48	83 Carlton HS	7A Polar
49	72 Nashwauk-Keewatin HS	8A Iron Range
50	55 Humboldt HS	4A St Paul City
51	34 Chatfield HS	5A Three Rivers

### State Individual Standings Meet 1 - Meet 5 (top 50)

Rank	Last	First	Team	Grade	Gender	Total	Power Pts
1	Luo	Michael	Minnetonka Senior HS	9	-	70	129.1294
1	Qiu	Kevin	Wayzata HS	10	M	70	129.1294
3	Niu	Ryan	Woodbury HS	10	M	68	119.8251
4	Ding	Eric	Century HS	8	M	66	119.3006
5	Zheng	Henry	Edina HS	12	M	68	116.6995
6	Garimella	Aarya	Edina HS	11	M	68	112.8771
7	Wang	Austin	Mounds View HS	9	M	66	111.2725
8	Zhang	Kaining	Blake School	10	F	66	111.0851
9	Gaur	Ritwik	Wayzata HS	11	M	60	110.8050
10	Lin	Richard	Wayzata HS	11	M	62	110.6078
11	Zhu	Elizabeth	Century HS	9	F	68	110.4272
12	Kretzschmar	Sam	Spring Lake Park HS	10	M	62	109.3742
13	Kanti Mahanty	Stephen	Edina HS	12	M	66	108.7680
14	Peng	Golden	Century HS	12	M	64	108.2271
15	Huang	Angie	East Ridge HS	10	F	62	108.0714
16	Kundu	Sneha	Wayzata HS	10	F	62	106.1577
17	Kim	Elijah	Shattuck-St Mary's	10	-	62	104.0082
18	Varco	Noel	St. Agnes School	12	M	61	101.9581
19	Ren	Alexander	Duluth East HS	10	M	64	100.6408
20	Cao	Jessica	Eden Prairie HS	10	F	62	99.5064
21	Lee	Jinu	Moorhead HS	11	M	58	96.8046
22	Lu	Ethan	Woodbury HS	10	M	58	95.7879
23	Cao	Yan-Ru	Minnetonka Senior HS	8	-	60	95.2342
24	Mondal	Aaratrika	Wayzata HS	10	F	60	93.7272
25	Kenney	Max	Minnetonka Senior HS	10	-	56	93.4762
26	Kuruville	Rohan	East Ridge HS	9	M	55	93.2407



Rank	Last	First	Team	Grade	Gender	Total	Power Pts
27	Keel	Bridget	St. Paul Academy	12	F	58	92.6095
28	Sun	Andrew	Mayo HS	12	M	58	91.6425
29	Thakkar	Param	Eagan HS	11	M	60	90.4447
30	Cui	Xinyue (Luna)	Cretin-Derham Hall HS	11	F	56	89.3253
31	Peterson	Sam	International School of MN	12	M	52	88.7839
32	Qiu	Cody	Mayo HS	11	M	54	87.4416
33	Ling	Alice	Eden Prairie HS	10	F	54	86.9930
34	Kim	Dylan	Wayzata HS	10	M	56	86.8222
35	Potini	Sai	Eagle Ridge Academy	7	M	52	86.5309
36	Scofield	Taison	Blaine HS	9	M	56	86.2876
37	Chen	Daniel	East Ridge HS	9	M	56	86.2709
38	Ren	Alex	Minnetonka Senior HS	8	-	54	85.4210
39	Powers-Tiffin	Finn	Central HS	12	M	54	85.3974
40	Shi	Addison	Minnetonka Senior HS	8	F	54	83.8475
41	Zhang	Allison	Sartell HS	8	F	50	83.5969
42	Kazemi	Armita	Century HS	12	F	52	83.5278
43	Witthoft	Ian	Highland Park HS	12	M	54	82.5648
44	Ren	Max	Minnetonka Senior HS	10	-	56	81.9256
45	Nichols	Elijah	Parnassus Preparatory School	10	M	50	81.3657
46	Zwank	Bodie	Highland Park HS	12	M	52	81.0151
47	Lin	Yijar	East Ridge HS	11	F	52	80.6302
48	Berchenko	Zack	St. Paul Academy	9	M	54	80.2089
49	Rodriguez	Alex	Alexandria Area HS	9	M	52	80.0209
50	Rabaey	Mark	Marshall HS	11	M	56	80.0059

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