

Mathlete Competition

Sara Larkin, Iowa Educational Services
for the Blind and Visually Impaired

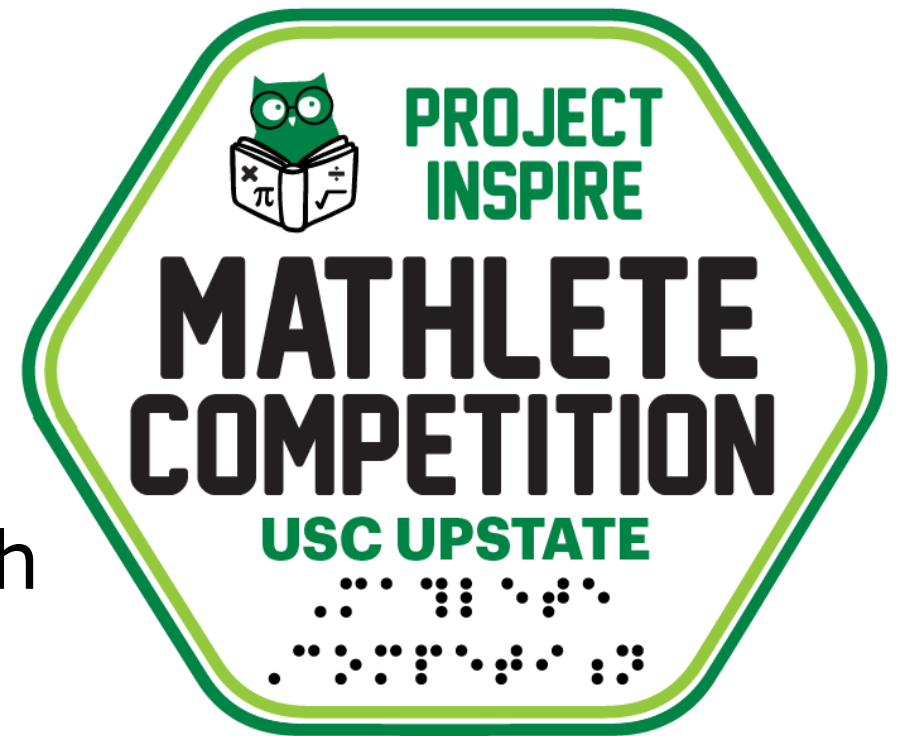
Susan Osterhaus, Texas School for the
Blind and Visually Impaired



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What is a Mathlete Competition?

- A virtual event designed for braille readers in grades 6-12 throughout the United States
- Competitors will use their braille and math skills throughout the four rounds!
- All materials are available in both
 - Nemeth Code
 - UEB Math/Science



Mathlete Rounds

- **Sprint Round:** Read a problem written in words and select the correct way to braille the problem from the 3 answer choices.
- **You Solve It Round :** Read and solve a math problem using the order of operations.
- **You Write It Round :** Listen to a math problem being read aloud and then braille the problem.
- **Relay Round :** Solve a math problem and then plug the answer into the next problem.

Categories

- **Junior Mathletes** should be able to read, write, and solve problems in braille that contain fractions, mixed numbers, decimals, degrees, exponents, and grouping symbols. They should also be able to solve problems using what they know about the order of operations.
- **Senior Mathletes** should be proficient with all of the Junior Mathlete content. In addition, they should be able to read, write, and solve longer problems in braille that may contain radicals, absolute value, negative numbers, and geometry.

Junior Sprint Round Sample Problems (UEB)

Select the correct way to write the expression

Three squared plus four squared equals five squared.

- $3^2 + 4^2 = 5^2$
- $3^2 + 4^2 = 5^2$
- $3^2 + 4^2 = 5^2$

Answer: B



You Write It Round Sample Problems

- Junior: Write forty-six degrees. (UEB)



- Senior: Write the measure of angle A is greater than ninety degrees. (Nemeth)



Junior Relay Round Sample Problems

One calculation at each step

1. $a = 1000 - 700$

Answer: $a = 300$

2. $a \div 30 = b$

Answer: $b = 10$

3. $c = b^2$

Answer: $c = 100$

Senior Relay Round Sample Problems

Two calculations at each step

1. $a = 5^2 - 4$

Answer: $a=21$

2. $a \div 3 + 4 = b$

Answer: $b=11$

3. $c = \sqrt{\frac{99}{b}}$

Answer: $c=3$

Important Dates

Saturdays beginning at
11:30 AM Eastern / 8:30 AM Pacific

- Junior Mathlete Practice – April 6 for 2 hours
- Senior Mathlete Practice – April 13 for 2 hours
- COMPETITION!!! – May 4 for 2 hours
- Award Ceremony – May 18 for 1 hour

[Mathlete Competition](#) website on Paths to Literacy

How Can My Student Prepare for the Competition?

- Attend a practice session.
 - Registered mathletes will receive an envelope of practice materials.
 - Answer keys will be posted on the Paths to Literacy website following the practice session.
- Practice similar problems at home or school.

Will My Student Receive Anything for Participating?

- All mathletes who participate in the competition will receive a certificate and t-shirt.
- First, second, and third place winners will receive a medal.



Registration

- [Register a mathlete](#)
- Registration will remain open through Tuesday, March 26.
- Email Tina Herzberg at herzberg@uscupstate.edu if you have questions.

Contact Information

- Thank you for your kind attention.
- Now it's time for questions.
- For more information, contact
 - Tina Herzberg at herzberg@uscupstate.edu
 - Susan Osterhaus at osterhaus@tsbvi.edu
 - Sara Larkin at sara.larkin@iaedb.org
- [Project INSPIRE website](#) on Paths to Literacy