

Math League

2022-2023



Who: 1R-4R Scholars
Where: Room 1308
When: Mondays, 3:45-5:00 p.m.
Dates: September 11th – February 12th
Advisor: Magister Thomas
Fee: \$95, payable to *Parnassus*
Deadline: Thursday, September 7th

Each year the School of Rhetoric Math League takes pencil to paper to compete against other math teams at local schools. Our team will participate in five tournaments, and also has the opportunity to compete at the St. Cloud State University Mathematics Competition in the spring.

At each tournament scholars will divide up to focus on their individual skills, then come together for the team round. Events feature geometry, algebra, trigonometry, calculus, and word problems.

SAMPLE QUESTIONS

1. Given that $\log_2(5)=2.3219$, find $\log_2(6.4)$ accurate to four decimal places.
2. Give both coordinates of all the points of intersection of the graph of:
$$x^2-2x+y^2-6y=15$$
$$y^2-6y-2x+1=10$$
3. Suppose a 1 costs one cent, a 2 costs two cents, and so on up to a 9 that costs nine cents. A 0 is free. What would be the cost of listing all the numbers from 1 to 100 inclusive?

TENTATIVE COMPETITION SCHEDULE:

Meets: November 6th, November 27th, December 18th, January 22nd, February 12th
St. Cloud State University Math Competition: Thursday, April 11th, 2024

Please note, at the time of this publication (August 2023) we do not know if meets will be held in-person or virtually. The 22-23 school year saw a mix of both. More information will be provided as soon as it becomes available.

REGISTER

New in 2023-2024! All Parnassus activity registrations must now be completed online at: <https://parnassus-ar.schooltoday.com/> by a parent/guardian. Registration is not complete until the online registration form and payment have been submitted. Please note first-time registrants will need to create an account in our system.

Questions:

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