CASCADE RIDGE MATH CLUB 2019-2020

Chairs: Navreen Mallik & Chandra Polisetti
Sponsored by Cascade Ridge PTSA

Why Join math Club?

- Develop students' level of math skills and knowledge.

- Enrich student's problem-solving skills with higher order thinking.

- Better prepared for Middle School, especially advanced level.

- Practice now makes it easier for future Math Competitions .

- Increase self confidence.

- Develop team work skills.

You are investing in your future

What to expect?

Math Club

- Weekly one hour class before school from Mid September to March.

- Introduction to advanced topics not covered in elementary.

- Opportunities to participate in various competitions paid by PTSA.

- Opportunities to practice competitive level math in teams.

Parents

- Drop off kids at class on time.

- Involve with student and help with homework every week.

- Volunteer as classroom helper at least twice.

- When teams are formed for competitions, meet at least once a week to practice for competitions.

Little help from parents each day, goes a long way in building your kid skills & confidence.

Math Club Topics

- Number Theory.

- Algebra.

- Measurement.

- Geometry.

- Probability & Statistics.

You are investing in your future

Sample Questions from competitions

Math is Cool

What is the degree measure of one internal angle of a regular octagon?

Terry's baseball team won 80% of its first 20 games, but only 60% of the next 30 games thereafter. What was their winning percentage overall?

Nine clowns were each holding five balloons when a windstorm came up, and three of the clowns each lost two balloons. How many total balloons do the clowns have now?

WSMC Olympiad

What number would you add to this list to make the median the same as the mode? 75, 63 75, 20, 15, 70, 63, 21

Raihana is reading a new book. She just finished 1/3 of the book. She notices that if she reads 60 more pages she will be ½ done with the book. How many pages long is the book?

Sam rides a taxi to the airport. The total distance traveled is 23 1/2 miles. If the fare is $5.25 for the first 5 miles and 10 cents for each additional 1/4 mile, how much is the total fare?

Blaine Olympiad

What is the least common multiple of the numbers 57, 35, and 42?

The degree measures of the angles in a triangle are in the ratio of 3:4:5. What is the degree measure of the largest angle?

Biff and Eho own chickens, each of whom lays one egg every afternoon. Every Monday morning, Biff and Eho sell a chicken at the local farmer's market. If this Monday, Biff and Eho have 5 chickens after returning from their morning sale, how many eggs, in total, will Biff and Eho collect in a span of 5 weeks?

Knights of Pi

What is the smallest 5-digit palindrome divisible by 9?

If $y = 4x2 - 2x + 3$, what is y when x = -2?

Evaluate: 1 + 5 + 9 + 13 + 17 + ... + 101

What is the product of the least common multiple and the greatest common divisor of 18 and 12?

What is the area of the triangle whose vertices are the points of intersection of the lines $y=3x+4$, $y=-2x+9$, and $y=x/2-1$? Express your answer as an improper fraction.

Registration information
5th Grade

► Math club is for 4th and 5th graders.

► Registration Fee: $25 (Used for T-shirt, Year end party).

► 5th Grade on **Monday & Thursday** from 8:05 AM to 9:10 AM in **Class 144.**

► Math club for 5th grade starts on **September 16th***.

► Registration will open on **Wednesday September 11th at 8 AM.**

► Registration for competitions will be in **October.**

► Teams will be formed based on Homework, Test and Math Club discretion.

► Math club website http://cremathclub.ourschoolpages.com/Home

► Contact Email mathclub@cascaderidgeptsa.org

* Looking for volunteers to coach 5th graders.

Registration information
4th Grade

▶ Registration Fee: $25 (Used for T-shirt, Year end party).

▶ 4th Grade on **Wednesday** from 8:05 AM to 9:10 AM in **Class 144.**

▶ 4th Grade on **Thursday** from 8:05 AM to 9:10 AM in **Portable 2.**

▶ Math club for 4th grade starts on **September 25th***.

▶ Registration will Open on **Wednesday September 11th at 8 AM**.

▶ Registration for competitions will be in **November**.

▶ Teams will be formed based on Homework, Test and Math Club discretion.

▶ Math club website http://cremathclub.ourschoolpages.com/Home

▶ Contact Email mathclub@cascaderidgeptsa.org

Important information

- 16 students per class.

- Registrations are on a first-come, first-served basis... so register early.

- Student Registration will open on **Wednesday September 11th at 8 AM.**

- Registration link will be shared by e-mail/FB /PTSA Website.

- Contact Email mathclub@cascaderidgeptsa.org

- Math club website http://cremathclub.ourschoolpages.com/Home

- PTSA Website http://cascaderidgeptsa.org/Home

Volunteers

Math club is sponsored by PTSA and run by parent volunteers. We need your support. Volunteers kids will be guaranteed seat in the class .

Volunteers:

- Need 2 additional Coaches for 4th grade
- Need 2 additional coaches for 5th grade.
- Classroom coordinators:
  - Making copies of HW before class .
  - Checking previous week homework.
  - Reach out to parents if students miss homework.
  - Manage students in the class.
- Year end party and reward coordinator

You are investing in your kid's future

Math Competitions

4th Grade

- Math is cool (March 2020)

- WSMC Math Olympiad (Apr 25th 2020)

- Kangaroo Math (Open to everyone)

5th Grade

- Math is cool (March 2020)

- Knights of Pi (March 2020)

- WSMC Blaine Olympiad (March 28 2020)

- WSMC Math Olympiad (Apr 25th 2020)

- Kangaroo Math (Open to everyone)

Useful links

Math is cool competition –
https://www.academicsarecool.com/#/home

Blaine Math Olympiad –
https://www.blainesd.org/o/blaine-school-district/page/math-championships--3

WSMC Math Olympiad -
http://www.wsmc.net/math-olympiad/

Knights of Pi Math -
https://www.newportmathclub.org/kpmt