MAINE MATHEMATICS SCIENCE AND ENGINEERING TALENT SEARCH

PROBLEM SOLVING PROGRAM Grade 3-12 September 2020-April 2021

MMSETS is offering Problem Solving Program for grade 3-12 students. Students in grades 3-4, 5-6, 7-8, 9-10, and 11-12 receive age-appropriate problem sets every month.

The program designed to maintain and improve problem-solving skills, allow students to discover and enjoy the pleasure of problem-solving and apply to various areas of our lives.

How it works

Students will receive their first problem set on September 22 by email. They will have one month to prepare and mail their solutions. Mail your solutions on the 22nd of next month by US mail (for the first problem set, the answers should be mailed on October 22 or before). On the same day, students receive the second problem set, and so on.

Each the set consists of 10 problems. Students are encouraged to submit their solutions even if they solve one problem. We look at the solutions and score. Within a month after the submission deadline, our answer is sent by email.

Rules

The next page includes directions on how to prepare solutions. Students may work together, use any resources available. However, everybody is required to write down an individual work and explain it in his/her own words. We do not accept copied work.

How to sign up

Register by sending payment* and registration information via PayPal to eva.szillery@mmsets.org When sending payment, please include Student Name, School, Grade (as of 6/30/20), Parent Name, Email, Address, and Phone Number. Alternatively, registration can be sent by mail to MMSETS Problem Solving Program P.O. Box 496, Orono ME 04473 with registration fee (payable to MMSETS).

*Early registration: July 25 to August 5: $45
*Registration: August 5 to August 25: $50
*Late Registration after August 25: $65

For more information, please contact Eva. Szillery by email at eva.szillery@mmsets.org

Dr. Szillery is the recipient of the University of Maine Pulp and Paper Foundation Educator Recognition Award for Programming Excellence for starting and directing the MMSETS Programs. She worked with Professor Seymour Papert starting a generation of excellent problem solvers in Maine. She had USAMO* qualifying students in 2016 and 2017. She is the sole educator in Maine who had students reaching this level of competition since 2002.

*The United States of America Mathematical Olympiad (USAMO) is a highly selective high school mathematics competition held annually in The United States. Since 1972, it has served as the final round of the AMC series of contests of the Mathematical Association of America.
GUIDELINES TO PREPARE MMSETS PROBLEM SOLUTIONS

Following these guidelines will help our work. Thank you for following this.

Use standard 8½ by 11" size paper. Use a pencil, black or blue pen to write your solutions.

Write your name, grade, email address used when registered to the program, Problem Set Number, and problem number on the upper left side of every page. Frame it to separate from the writing of the solution:

______________________________

 your name
 your grade (as of June 2020)
 email address (should be the email address used when registered)
 problem set number
 problem number

______________________________

Use one side every page. If you use more than one page for one solution, write the same information on the upper left side of each page.
Your solution should be final, well written, and thought - out. Explain as you'd present the solution to a classmate. - For the answer without any details, you may get 2 points (the most) even if the solution is correct.
You may hand write or type your solutions. If handwriting, your writing should be clear and legible.
Submit one solution for each problem. Keep one copy for yourself but send us the original.

If you solve just one problem from each set, submit it.

Please note: the mail submission deadline is observed by the postmark date.

Mail your solutions to:
MMSETS  P.O.Box 496 Orono ME 04473

Questions? Contact Eva Szillery by email at eva.szillery@mmsets.org