



Math League News

■ **Our Calculator Rule** Our contests allow both the TI-89 and HP-48. You may use any calculator without a QWERTY keyboard.

■ **Send Your Comments** to comments@mathleague.com. View results at www.themathleague.com before they arrive in the mail.

■ **Upcoming Contest Dates & Rescheduling Contests**
Future HS contest dates (and alternate dates), all Tuesdays, are Jan 10 (17), Feb 14 (21), & Mar 14 (21). (Each alternate date is the following Tuesday.) If vacations, school closings, or special testing days interfere, please reschedule the contest. Attach a brief explanation, or scores may be considered unofficial. We sponsor an *Algebra Course I Contest* in April, and contests for grades 4, 5, 6, 7, and 8. Get information and sample contests at www.themathleague.com.

■ **T-Shirts Anyone?** We're often asked, "are T-shirts available? The logo lets us recognize fellow competitors!" Good news — we have MATH T-shirts in a variety of sizes at a **very** low price. Use them as prizes for high or even perfect scores, or just to foster a sense of team spirit! The shirts are of grey material and feature a small, dark blue logo in the "alligator region." A photo of the shirt is available at our website. There's one low shipping charge per order, regardless of order size. To order, use our website, www.themathleague.com.

■ **Contests for iPads and iPhones** We have iPad/iPhone versions of ALL of our prior contests for grades 4, 5, 6, 7, and 8 as well as our Algebra and High School contests available now, including last year's contests. The link to these iPad/iPhone applications is on the home page of our website, www.mathleague.com. Take note of our current special offer: access to **all** past contests at any selected grade level for **all** students at a given school for the low, low price of only \$9.95 for the year!

■ **Administer This Year's Contests Online** Any school that is registered for any of our contests for the 2022-2023 school year may now register at www.online.mathleague.com for the 2022-2023 Online Contests at no cost. The advantages of administering the online versions of our contests rather than the paper and pencil ones are that you do not have to grade your students' papers and that you do not have to submit any scores at our Score Report Center ~ these tasks are done automatically for you when your students take our contests online. If you decide to use this free service, you must set up your account and set the day you are going to administer each contest at least one day in advance of the actual contest date.

■ **Students Hungry for More?** Don't forget, we do offer the *Algebra Course 1 Contest* in April!

■ **Contest Dates for 2023-2024 and Alternate Dates:**
HS contest dates for the next school year (and alternate dates), all Tuesdays, are October 17, 2023 (October 24), November 14, 2023 (November 21), December 12, 2023 (December 19), January 9, 2024 (January 16), February 13, 2024 (February 20), and March 12, 2024 (March 19). Please note that each alternate date is the Tuesday following the official date!

■ **Students Hungry for More?** Don't forget, we do offer the *Algebra Course 1 Contest* in April!

■ **Possible Changes in Contest Mailing Procedures: PLEASE WEIGH IN!** In an attempt to make the Math League more environmentally friendly and due to the soaring costs of printing and mailing our contests, we are considering one of the following new mailing procedures for the 2023-2024 school year:

1. We email pdfs of each contest to all participating schools, but we do not mail any physical papers.
2. We email pdfs of each contest to all participating schools, and we mail one copy of each contest (with solutions) to each participating school.
3. We email pdfs of each contest to all participating schools, and we mail five copies of each contest (with solutions) to each participating school.
4. We email pdfs of each contest to all participating schools, and we mail 30 copies of each contest (with solutions) to any participating school that requests paper copies. Schools requesting the paper copies will be billed for shipping/handling.
5. We email pdfs of each contest to all participating schools, and we mail 30 copies of each contest (with solutions) to all participating schools. All schools will be billed for shipping/handling.

We'd like your feedback on this. Please email dan@mathleague.com with your comments and suggestions.

■ **General Comments About Contest #3:** Mark E. Bronner said, "Thanks much for providing students with this outstanding learning opportunity. Grace and peace to you during this great Christmas time." Dr. Richard Newcomb said, "Dan et al, Thanks again for all you do to run such a good and fun contest. Happy Holiday and New Year..." Robert Morewood said, "The students were happy for the Christmas gift of an easy set! I was delighted by all the potential for extension and generalization: What is the smallest possible sum of 2022 positive integers whose product is 2022? Try #6 with using all ten digits used only once each. What IS the (exact?) area of that equilateral triangle in #5? For #4: Can you find two different Heroic Triangles with the same perimeter, but different areas? For #2: What OTHER types of 'Means' are there and how would they change the result? Note that #1 continues to challenge our students - though I'm not sure why this time! Some students solved #4, but either forgot to divide by two(!), or wrote: 48², rather than 48 square

Statistics / Contest #3			
Prob #, % Correct (all reported scores)			
3-1	80%	3-4	47%
3-2	83%	3-5	40%
3-3	49%	3-6	24%