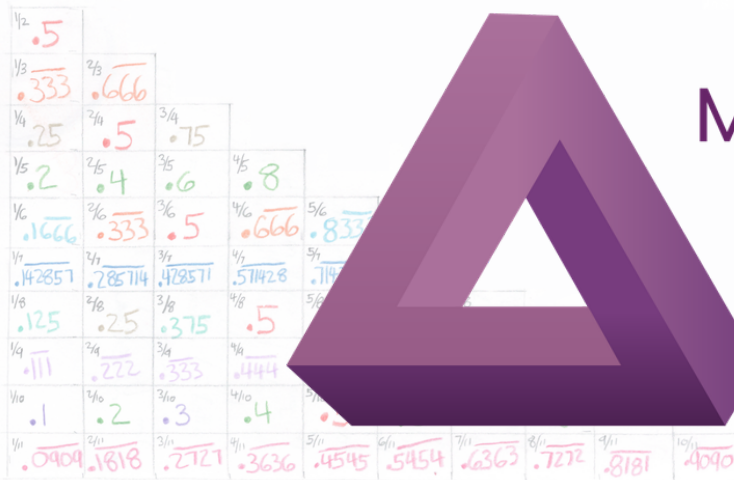
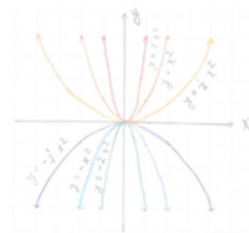
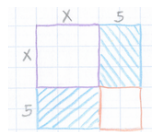
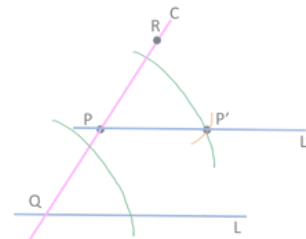


Classes for 1st grade through high school • Tutoring for age 3-college



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Exploring the fun of math



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In Onionland coins are 3¢ and 11¢. You can't make 1¢, 2¢, 4¢, and many other amounts. What's the largest amount you can't make?



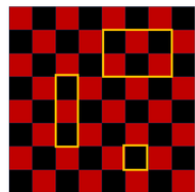
What do odd and even mean? If a branch has opposing leaves, how can I easily tell whether the number of leaves is even or odd?



$\sum_{k=1}^{\infty} \frac{1}{2^k}$ What does this sum have to do with an ancient Greek paradox?

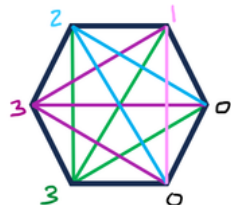
What is the Einstein Hat and what does it have to do with kitchens and bathrooms?

Using just addition of positive integers, there are 42 ways to make 10. There is 1 way to make 1 (1), 2 ways to make 2 (2; 1+1), and 3 ways to make 3 (3; 2+1; 1+1+1). What is the pattern? Can you find all 42 ways to make 10? Why do we not allow subtraction?



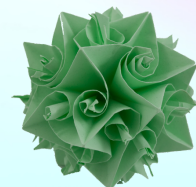
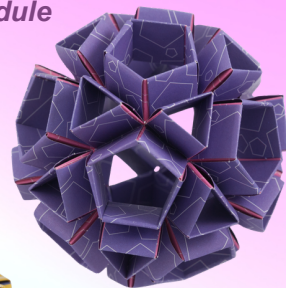
How many rectangles are there in a chessboard?

$$e^{i\pi} = -1$$



2026-7 Class Schedule
online: mathinst.com/schedule

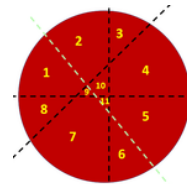
- Level 1 F 3-4:20p
- Level 2 Th 3:30-5:30p
- Level 3 W 4:15-6:15p or online F 6:45-8:45p (3:45-5:45p PT)
- Level 4 F 4:30-6:30p
- Level 5 Su 3:30-5:30p
- Prealgebra Su 6-8p
- Algebra Th 6-8p
- Geometry Su 3:30-5:30p
- Interm. Alg. Th 5:30-7:30p
- Competition Math W 6-8p
- Programming with Python M 4:30-6:30p
- Language Arts for 4th-6th graders Tu 4-5:30p
- Penmanship for Clear Thinking F 3:30-4:30p
- Word Play F 4:45-5:45p
- SAT/ACT preparation M 4:30-6:30p



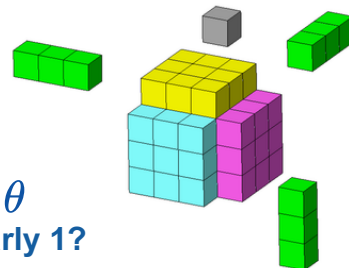
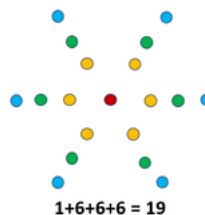
If i is the square root of -1 , what is the square root of i ?



What is ranked choice voting?



How can you easily calculate squares and cubes of numbers? What is 85^2 ? 11^3 ?



$\sin^2 \theta + \cos^2 \theta$
Why is this clearly 1?