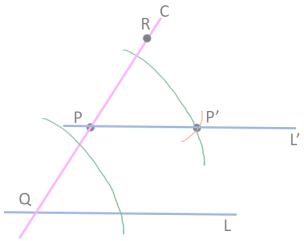
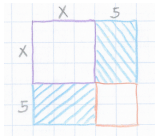
Classes for 1st grade through high school • Tutoring for age 3-college

Mathematics Institute of the Triangle





Do you have a child who loves math?

We have teachers with advanced degrees who have years of experience teaching children with proven curricula and emphasis on the joy of mathematics.

Contact us to schedule an assesment.

Exploring the fun of math

TriangleMathInstitute.com

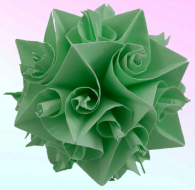
919-335-8470

Mathematics Institute of the Triangle

2025-6 Class Schedule

online: mathinst.com/schedule

- Level 1 W 3-4p
- Level 2 W 4:15-6:15p
- Level 3 F 4:30-6:30p
- Level 4 Th 4-6p
- Level 5 Su 3:30-5:30p
- Prealgebra Th 6:20-8:20p or Su 3:30-5:30p
- Algebra Su 6-8p
- Geometry Th 6:20-8:20p



We also are offering 10-week 5th-7th grade language arts (time TBD)

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?

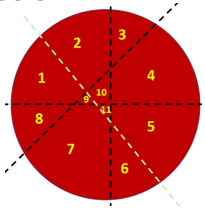
What does odd mean and what does even mean? If I have a branch with opposite leaves, how can I easily tell whether there are an even or an odd number of leaves?

$$i = \sqrt{-1}$$

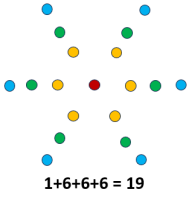
If i is the square root of -1, what is the square root of i?

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

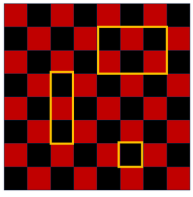
What is ranked choice voting?



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?

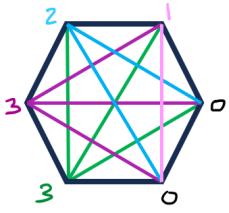


How can you easily calculate squares and cubes of numbers? What is 85^2? 11^3?



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

How many rectangles are there in a chessboard?



$\sin^2\theta + \cos^2\theta$

Why is this clearly 1?