



## Math Enrichment Programs for Grades 3-8

- **Before/After-school Math Clubs**
- **GATE Programs**
- **Family Math Nights**
- **In-classroom and Home School Math Enrichment**

Fun Math Club offers math enrichment programs for elementary and middle school students. Programs are delivered through in-class lessons, before/after-school math clubs, and family math nights. In addition to programs open to all students, Fun Math Club also offers programs such as seminars for gifted children, GATE after-school programs, and girl's math clubs.

The topics in Fun Math Club programs address all areas from the *California Common Core State Standards: Mathematics*. All activities in the program develop skills in the Mathematical Practices<sup>1</sup> put forth in the standards. Lessons are presented using interactive puzzles, games, art, magic, and other activities designed to stimulate, challenge, and entertain students. Many lesson topics are chosen from areas not normally included in elementary and middle school classroom mathematics. The style of presentation coupled with the novelty of the topics results in high levels of interest and participation by the students. Programs are suitable for all students, from the math-challenged to the naturally gifted and talented.

By providing fun and entertaining activities, Fun Math Club increases students' interest and appreciation of mathematics. Ultimately, this approach encourages and motivates students to put the most in and to get the most out of their mathematics education.

Fun Math Club has offered programs for schools in the Campbell, Cupertino, Franklin McKinley, Oak Grove, San Jose, and Saratoga school districts, for home school and community-based organizations in the south bay area and the peninsula, and to gifted students through the Davidson Young Scholars and Lyceum of Santa Clara Valley. Fun Math Club founder Yul Inn is a regular leader of sessions in the Stanford and San Jose State math circles and teaches in the Johns Hopkins University Center for Talented Youth summer programs and the Stanford Pre-Collegiate Studies Summer Institutes.

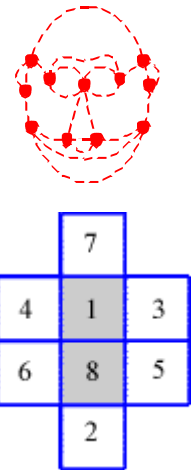
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<sup>1</sup> Common Core Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

## **Fun Math Club History**

For many years Fun Math Club founder Yul Inn collected mathematics topics that were both educational and entertaining, with the intention of turning these into educational activities he could do with his children. In 2002, when his son entered the 4th grade at Stevens Creek Elementary School in Cupertino, he volunteered to host a math club there. He took one of his activities to his son's 4th grade classroom as a preview of what the math club would be like. The very positive response led to the Fun Math Club's first program: monthly lessons in the 4th grade classrooms. Later that year, he expanded Fun Math Club to the 5th and 6th grade levels, and to seminars through Lyceum of Santa Clara Valley.

In the 2003-2004 school year, Fun Math Club programs were offered at other schools in Cupertino and in neighboring school districts. Since that time Fun Math Club has expanded its offerings to school districts across the Santa Clara Valley and the peninsula.

## **Yul Inn, Fun Math Club Founder, Biographical Summary**

Inn has BS Mathematics (magna cum laude) from University of California, Riverside, and MS degrees in Mathematics and Computer Science from Ohio State University. He spent 20 years in the software industry in roles of engineer and entrepreneur. His work as engineer has led to patents and published papers in video conferencing, document processing algorithms, distributed computing, and parallel processing computing architectures. His work as an entrepreneur included being cofounder of a successful high tech company. He is a member of the Mathematical Association of America and Phi Beta Kappa.

