

2004-2005

July, 2005, Yufei Zhao won the gold medal for the second year in a row at the Mathematical Olympiad in Mexico. Congratulations, Yufei!

Spirit of Math Competitions

In order to provide our younger students an opportunity to “practice” writing math contests, Spirit of Math has developed our own contests for our students in Grades 1 – 4. The contest is made up of challenging problems, some of which will be familiar to our students, but many that are not.

The following students received the highest mark in their respective classes (the students with the asterisk received the highest mark in the grade):

Grade 1

Imran Jessa* and Justine Law* (1A)

Yi-Keong Man and Jasmine Nanji (1B)

Grade 2

Lauren Liu* (2A)

Vanessa Tse (2B)

Joshua Finkelstein* (2D)

Grade 3

Ryan Young (3A)

Jeremy Lau, Alvin Law, and Andrew Tau (3B)

Nick Liu (3C)

Petr Smirnov* (3D)

Grade 4

Edric Leung (4A)

Devin Lo* (4B)

Amos Lim (4C)

Justin Po (4D)

CNML (Math League)

The Math League has Math Contests for Grades 4 through 8, High School Students, and Algebra 1 students. Over 1 million students from the United States and Canada participate in Math League Contests each year. Every contest has questions from different areas of mathematics. The goal is to encourage student interest and confidence in mathematics through solving worthwhile problems. Many students first develop an interest in mathematics through problem-solving activities such as these contests. Schools compete in statewide or multi-state league competitions.

3rd, 4th, and 5th Grade Contests

Although the Math League does not have a contest for students in Grade 3, Spirit of Math students write the Grade 4 CNML contest in Grade 3. The Grade 4's and 5's write the Grade 5 CNML contest. The 4th and 5th grade CNML contests are for use in-school only and results are not used for interschool comparisons. These contests challenge students to show their understanding of basic principles through

numerical and word problems that encourage an open, flexible approach to problem solving. These contests are provided for intraschool competition.

Contest Format: Each contest consists of 30 multiple-choice questions that you can do in 30 minutes.

Spirit of Math congratulates the following students who wrote the contest with us and who achieved 80% or above:

Grade 3

Jason Fong
Emily Lam
Alvin Law
Karim Noormohamed
Petr Smirnov
Andrew Tau
Ryan Young

Grade 4

Claudia Chan
Jason Cheung
Jonathan Chow
Vincent Chan
Amos Lim
Andrea Tau
Caressa Tsai
Cassandra Tso
Nixon Wong

Grade 5

Matthew Lau (perfect!)
Jennifer Chan
Michael Chan
Gregory Chen
Kevin Chen
Jonathan Cheng
Sandip Chowdhury
Justin Fong
Jeffrey King
Natalie Landon-Brace
Amy Lau
Andrea Lau
Aaron Leung
Nicole Li
Fievel Lim
Darren Mak
Imran Moledina
Alyna Moosabhoy
Daylam Popatia

Ryan Shek
Erika Tsang
Christina Yu

6th, 7th, and 8th Grade Contests

Math League's 6th, 7th, and 8th grade contests challenge students and schools in interschool league competitions. Students in each grade compete for the highest scores, while schools compete for the highest team score: the total of the top 5 scores in each school. Each contest's questions cover material appropriate to each grade level. These contests encourage a variety of problem-solving skills and methods, to improve students' abilities and understanding of mathematical connections, while having fun!

Contest Format: Each contest consists of 40 multiple-choice questions that you can do in 30 minutes.

Although students do not write the Grade 6,7, and 8 CNML contests at Spirit of Math, many of our students write them at their day school to excellent results. Please join us in congratulating them here: Congratulations to:

Grade 6:

Marky Freeman scored 40 (perfect!)

Adrian Wu scored 40 (perfect!)

Darren Mo scored 37

Grade 7:

Jonathan Schneider scored 40 (perfect!)

Albert Chiang scored 38

Clinton Leung scored 38

Felicia Lo scored 38

Angie Woo scored 38

By the way, if our students had been entered as a school, they would have tied for 2nd overall team in Canada!

Grade 8:

Alyssa Moledina scored 39

Denise Wong scored 38

Sashi Lankage scored 37

Centre for Education in Mathematics and Computing (University of Waterloo)

Gauss Contest (Grade 7/8)

The main objectives of the Gauss contest are for students to have fun and to enjoy doing mathematics.

The contests are scored and winners ranked within their individual schools

We honour the following students who achieved a mark of excellence (over 80%):

Gauss (Grade 8)

Jonathan Ngo (perfect!)

Sashi Lankage

Pascal (Grade 9), Cayley (Grade 10), Fermat (Grade 11) Contests

The Pascal, Cayley, And Fermat contests are written by students around the world and are scored and reported nationally.

Students who made the Honour Roll are sorted by groups, according to their contest scores; Group 1 has the highest scores, Group 2 the next highest and so on. In order to make the Honour Roll, students must have a minimum score of 125 out of 150. Students in Group 1 received a minimum score of 144 out of 150.

28,739 students wrote the Pascal; 15 achieved a Gold Medal.

21,822 students wrote the Cayley; 32 were in Group 1.

17,374 students wrote the Fermat; 8 achieved a Gold Medal.

Congratulations to:

Pascal Group 1: Sashi Lankage (Gold Medal)

Cayley Group 1: Nathan Cheung

Fermat Group 1: Yufei Zhao (Gold medal)

Pascal Group 4: Nikhil Mukherjee

Cayley Group 4: David Dai, Conrad Ho, Jonathan Schneider

Fermat Group 5: Dinush Lankage

Pascal Group 6: Sheldon Kwok, Matthew To

Cayley Group 5: Chris Lui

Cayley Group 6: Martin Ho

Fryer (Grade 9), Galois (Grade 10), and Hypatia (Grade 11) Contests

The Fryer, Galois, and Hypatia Contests are geared toward students recommended by their teacher, or the top 25% of students in the school. The year 2005 marked the third writings of the Fryer, Galois and Hypatia Contests. One of the main reasons for the creation of the FGH Contests was to give students in Grades 9, 10 and 11 an opportunity to write full solutions in a math contest setting. This year there was an increase in the number of participants writing these Contests to 11,637 students total, including 803 international students.

Students who scored in roughly the top 4% of each contests have achieved a Gold Standard. The following SMS students achieved a Gold Standard:

Congratulations to:

Fryer (Grade 9): Sheldon Kwok

Galois (Grade 10): Shelley Chan, Nathan Cheung, Anita Mamtani, Jonathan Schneider

Hypatia (Grade 11): Yolanda Cheung, Rachel Chow

Mathematics Contest Centre

Byron-Germain (Grade 4), Fibonacci (Grade 5), Pythagoras (Grade 6), Euler (Grade 7), Lagrange (Grade 8)
The Mathematics Contest Centre is based in Pierrefonds, Quebec and provides contests for Grades 4 – 8. These contests are designed to challenge students of all abilities and stimulate their interest in mathematics. The Byron-Germain contest is made up of 30 questions to be answered over 45 minutes. The Fibonacci contest is comprised of 40 questions to be answered over 60 minutes. The Pythagoras

contest is comprised of 50 questions to be answered over 75 minutes. The Euler and Lagrange contests are new for 2005.

This year, for the first time, Spirit of Math Schools was permitted to have our Grade 5 and 6 students write the Fibonacci and Pythagoras contests with us and submit them under the Spirit of Math Schools name. Some Grade 5 and 6 students and those in the other grades wrote these contests at their day schools. Their scores contributed to their day schools' ranking but we have included their individual results here. Schools are ranked by taking the sum of their top five scores.

2005 School Team Results

Our Grade 5 team who wrote the Fibonacci at Spirit of Math was made up of Nathan Kong, Matthew Lau, Sherwin Wong, Darren Mak, and Sophia Chen. They had a combined score of 114, good for 2nd place nationally out of 658 schools!

Our Grade 6 team who wrote the Pythagoras at Spirit of Math was made up of Marky Freeman, Shakil Kanji, Benjamin Lau, Rehman Lakhani and Alykhan Kanji. They had a combined score of 140, good for 4th place nationally out of 1003 schools!

2005 Individual Student Results

Students on the honour roll have received a score of 85% or higher (less than 1% of all students who write receive this honour).

Byron-Germain Honour Roll (7,918 students wrote)

Joshua Charles (Winnipeg Campus)

Devin Lo

Jeffrey King

Shannon Wong

Cassandra Tso

Allison Braithwaite

Fibonacci Honour Roll (13,902 students wrote)

Nathan Kong *

Matthew Lau *

Kevin Chen

Sherwin Wong *

Darren Mak *

Sophia Chen *

Chalini Lankage

Natalie Landon Brace

Daylam Popatia *

Amanda Yee

Gregory Chen *

* denotes students who wrote with Spirit of Math Schools

Pythagoras Honour Roll (21,866 students wrote)

Marky Freeman *

Adrian Wu

Alvin Leung

Joseph Liu

Shakil Kanji *

Gaia Moravcik* (Winnipeg Campus – received the top score in Manitoba!)

Benjamin Lau *

Alykhan Kanji *

Rehman Lakhani *

Sufyan Khan *

Shivon Yim

Darren Mo

* denotes students who wrote with Spirit of Math Schools

Euler Honour Roll (5,012 students wrote)

Warren Kong

Lagrange Honour Roll (4,374 students wrote)

Jonathan Tam

Nikhil Mukherjee

Kalvin Hon