



The CENTRE for EDUCATION  
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION  
en MATHÉMATIQUES et en INFORMATIQUE

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**2013**  
*Results*

**2013**  
*Résultats*

*Fryer Contest*  
(Grade 9)

*Concours Fryer*  
(9<sup>e</sup> année – Sec. III)

*Galois Contest*  
(Grade 10)

*Concours Galois*  
(10<sup>e</sup> année – Sec. IV)

*Hypatia Contest*  
(Grade 11)

*Concours Hypatie*  
(11<sup>e</sup> année – Sec. V)

UNIVERSITY OF  
**WATERLOO**

**WATERLOO**  
MATHEMATICS

**Deloitte.**

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Judy Shanks, Pickering H.S., Ajax, ON

### Overall Comments

The year 2013 marked the eleventh writings of the Fryer, Galois and Hypatia Contests. The FGH Contests are designed to give students in Grades 9, 10 and 11 an additional mathematical challenge during the school year, and one that requires full written solutions. Being able to do mathematics is an important skill; being able to communicate one's findings (in mathematics or in any other field) is also very important.

We were very pleased this year to see another healthy increase in the number of participants in these Contests. In general, many students writing these Contests are doing a better job each year of writing clear solutions to the problems. That being said, there is always work that can be done to help them improve these skills. Some students reduced their scores because they gave answers rather than solutions or presented untidy or illegible solutions.

The averages on the Fryer, Galois and Hypatia Contests this year were 21.2, 25.1 and 23.1, respectively. We will continue to try to keep the averages on these papers in this range. Here are some specific comments on the problems.

### Fryer Contest

1. Average: 8.5

This question was well done. There were a number of calculation errors in (c).

2. Average: 7.3

Part (a) was well done with some errors in confusing diameter and radius. Part (b) was well done although many students had Billais walk across the field and down the straightaway rather than along the diagonal. Part (c) was done well by those who understood what to look for and not at all by the rest.

3. Average: 4.0

Part (a) was well done with some students missing the answer  $A = 0$ . Part (b) had many students with a wrong answer of  $B = 5$  when they said that a positive integer is divisible by 6 whenever the sum of its digits is divisible by 6. Part (c) was well done by those students who attempted it. Part (d) had many solutions that were not explained properly. It also had a common wrong answer of 9 when students missed that  $2CC$  is divisible by both 4 and 3 when  $C = 8$ .

4. Average: 1.4

Many students did not attempt this question. While the final problem is normally the hardest problem, the first part or two are usually accessible to many students and we would encourage all students to read and try at least these. Part (a) was the best done when students stayed organized in their counting. Part (b) was fairly well done. In part (c), students struggled with justifying their solutions. Many students got two marks in part (d) for determining the pattern and getting the answer. A small group of students got a third mark for trying to explain the pattern and only a tiny group got the fourth and final mark for properly explaining the pattern.

### Galois Contest

1. Average: 7.2

This problem was well done by many students. Some students seemed bothered by this new form for an equation of a line.

2. Average: 8.2

Parts (a) and (b) were well done. A small percentage of students answered how much of the red candle was left in part (a) or how many minutes were needed for the green candle's height to reduce by 80 cm in part (b). Part (c) was well done. Part (d) was done reasonably well and many different approaches were used. Some students introduced inaccuracy in their solution by rounding  $\frac{1}{6}$  and  $\frac{5}{24}$ .

3. Average: 6.5

Part (a) was generally well done. Some students only provided the last number in the 7th row. In part (b),

the most common incorrect answer for the first number in the 100th row was 9900, normally obtained from the incorrect calculation  $100(101) - 2(100)$ . Part (c) was done using a variety of approaches. Many students attempted trial and error and did not justify why 31 was correct. Many different approaches were used in the calculation of  $F$ . Some students dealt correctly with the decimal answers from their use of the quadratic formula.

4. Average: 3.2

Part (a) was well done and parts (b) and (c) were quite difficult, as intended. The visualization of the problem proved difficult for many. The identification of the tetrahedron in part (c) was difficult for some, and many others made incorrect assumptions in parts (b) and (c).

### Hypatia Contest

1. Average: 8.9

This question was very well done but with minimal justification in part (c).

2. Average: 7.5

Students did not have much difficulty with the first three parts. Most mistakes were errors often made when working with parabolas. Many students reached a correct final answer in part (d) but did not provide any reason why the parabolas intersect in exactly one point when  $a = -\frac{1}{2}$ . Some students mistakenly claimed that parabolas intersecting in exactly one point must meet at a common vertex.

3. Average: 2.6

This problem caused difficulties. Student answers suggested that the definition of a *non-predictive sequence* was well understood. However, it was easy to miss cases when listing or counting these sequences. As might be expected, part (a) was done better than part (b) which in turn was done better than part (c). A common error in part (b) was to only show the result for a single value of  $m$ .

4. Average: 4.0

For a final problem on the Hypatia Contests, this question was well done. Most answers to part (a) were correct. A large number of students came up with the correct answer in part (b) but did not justify that the answer is unique. It was not too difficult to find an expression for the surface area in part (c) but it was challenging to factor the expression and consider all cases towards determining  $l$  and  $w$ .

**Please visit our website at [www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca) to download the 2013 Fryer, Galois and Hypatia Contests, plus full solutions.**

### Commentaires généraux

L'année 2013 est l'onzième édition des concours Fryer, Galois et Hypatie. Les concours de FGH ont été créés pour donner aux étudiants de 9e, 10e et 11e année (sec. III, IV et V) un défi mathématique supplémentaire pendant l'année scolaire qui exige des solutions écrites complètes. Être capable de faire des mathématiques est une aptitude importante. Pouvoir communiquer ses conclusions (en mathématiques ou autres domaines) est aussi très important.

Nous sommes ravis cette année de constater une croissance du nombre de participants à ces concours. En général, plusieurs des étudiants participant à ces concours s'améliorent d'année en année en ce qui concerne écrire des solutions claires. Cependant, il y a toujours du travail à faire pour les aider à développer leurs aptitudes. Certains des étudiants ont eu des notes plus basses car ils présentaient uniquement des réponses au lieu de solutions ou des solutions non soignées ou illisibles.

Cette année, les moyennes des concours Fryer, Galois et Hypatie étaient de 21,2, 25,1 et 23,1 respectivement. Nous tenterons de continuer à conserver cette gamme pour les moyennes de ces examens. Voici quelques commentaires spécifiques sur les problèmes de ces examens.

### Concours Fryer

1. Moyenne: 8,5

Cette question a été bien réussie. On a toutefois remarqué un nombre d'erreurs de calcul dans la partie (c).

2. Moyenne: 7,3

La partie (a) a été bien réussie, bien que certains élèves prenaient un diamètre pour un rayon. La partie (b) a été bien réussie, bien que certains élèves croyaient que Béatrice traversait le champ de façon perpendiculaire pour continuer sur la ligne droite qui délimine le champ, au lieu de traverser directement en diagonale du point  $C$  au point  $D$ . La partie (c) a été réussie par ceux et celles qui comprenaient l'énoncé. Les autres élèves n'ont rien fait qui vaille.

3. Moyenne: 4,0

La partie (a) a été bien réussie, bien que certains élèves ont oublié  $A = 0$ . Dans la partie (b), beaucoup d'élèves ont affirmé qu'un entier positif est divisible par 6 lorsque la somme de ses chiffres est divisible par 6, ce qui les a menés à la fausse conclusion que  $B = 5$ . La partie (c) a été bien réussie par les élèves qui ont entrepris une solution. Dans la partie (d), plusieurs solutions manquaient d'explications appropriées. Bon nombre d'élèves ont donné une réponse erronée de 9, en oubliant que  $2CC$  est divisible par 4 et par 3 lorsque  $C = 8$ .

4. Moyenne: 1,4

Beaucoup d'élèves n'ont pas tenté de résoudre ce problème. Bien que le dernier problème du concours soit habituellement le plus difficile, les premières parties sont habituellement abordables. On encourage les élèves à lire ces parties et à essayer de les résoudre. La partie (a) a été la mieux réussie, mais il fallait compter de façon organisée. La partie (b) a été assez bien réussie. Dans la partie (c), les élèves ont éprouvé de la difficulté à justifier les étapes de leur solution. Bon nombre d'élèves ont obtenu 2 points dans cette partie (d) pour avoir déterminé une régularité, ainsi que la réponse. Un petit nombre d'élèves ont obtenu un troisième point pour avoir essayé de justifier la régularité. Seul un très petit nombre d'élèves ont obtenu le quatrième et dernier point pour avoir réussi à bien justifier la régularité.

### Concours Galois

1. Moyenne: 7,2

Beaucoup d'élèves ont réussi ce problème. Certains élèves semblent avoir mal réagi à cette nouvelle forme de l'équation d'une droite.

2. Moyenne: 8,2

Les parties (a) et (b) ont été bien réussies. Un petit pourcentage d'élèves ont répondu combien il restait de

la chandelle rouge dans la partie (a) ou combien de minutes il fallait pour que la longueur de la chandelle verte soit réduite de 80 cm dans la partie (b). La partie (c) a été bien réussie. La partie (d) a été assez bien réussie, les élèves ayant utilisé une variété d'approches. Certains élèves ont provoqué un degré d'imprécision en exprimant les fractions  $\frac{1}{6}$  et  $\frac{5}{24}$  sous forme décimale et en arrondissant.

3. Moyenne: 6,5

La partie (a) a été plutôt bien réussie. Certains élèves ont seulement donné le dernier nombre de la 7e rangée. Dans la partie (b), la réponse erronée la plus courante pour le premier nombre de la 100e rangée était 9900, qui provenait de l'expression erronée  $100(101) - 2(100)$ . Dans la partie (c), les élèves ont utilisé une variété d'approches. Beaucoup d'élèves ont procédé par tâtonnements sans justifier la réponse de 31. Plusieurs méthodes ont été utilisées pour calculer  $D$ . Certains élèves ont réussi à bien utiliser les approximations décimales des radicaux obtenus dans l'utilisation de la formule pour résoudre des équations du second degré.

4. Moyenne: 3,2

La partie (a) a été bien réussie, tandis que les parties (b) et (c) étaient assez difficiles, ce qui était voulu. Beaucoup d'élèves ont éprouvé de la difficulté à visualiser la situation. Certains ont éprouvé de la difficulté à cerner le tétraèdre dans la partie (c). Beaucoup d'élèves ont fait des suppositions erronées dans les parties (b) et (c).

## Concours Hypatie

1. Moyenne: 8,9

Cette question a été très réussie, bien que généralement, les élèves n'aient pas suffisamment justifié leur réponse dans la partie (c).

2. Moyenne: 7,5

Les élèves n'ont éprouvé aucune difficulté avec les trois premières parties. La plupart des erreurs étaient des erreurs communes quand les élèves travaillent avec des paraboles. Un bon nombre d'élèves ont obtenu la bonne réponse dans la partie (d), sans toutefois motiver pourquoi les paraboles se coupent en un seul point lorsque  $a = -\frac{1}{2}$ . Certains élèves ont conclu, à tort, que deux paraboles qui se coupent en un seul point doivent avoir le même sommet.

3. Moyenne: 2,6

Les élèves ont éprouvé de la difficulté avec ce problème. Leur travail suggère qu'ils ont bien compris la définition d'une *suite non prédictive*. Cependant, il était assez facile d'omettre des cas lorsqu'il fallait écrire ou compter les suites. Comme prévu, la partie (a) a été mieux réussie que la partie (b) et celle-ci a été mieux réussie que la partie (c). Dans la partie (b), bon nombre d'élèves n'ont démontré le résultat que pour une seule valeur de  $m$ .

4. Moyenne: 4,0

Tenant compte qu'il s'agit de la dernière question du concours Hypatie, ce problème a été bien réussi. La plupart des réponses de la partie (a) étaient justes. Dans la partie (b), bon nombre d'élèves ont obtenu la bonne réponse, sans toutefois justifier que la réponse était unique. Dans la partie (c), il était assez facile d'obtenir une expression algébrique pour l'aire totale, mais c'était tout un défi de factoriser l'expression et de considérer tous les cas afin de déterminer les valeurs de  $L$  et de  $l$ .

**Veillez visiter notre site Web à [www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca) pour télécharger les concours Fryer, Galois et Hypatie 2013, avec solutions complètes.**

**Number of students registered by province /  
Nombre d'étudiants inscrit par province**

	Enrollment/ Inscription
AB	524
BC	1667
MB	306
NB	159
NL	35
NS	161
ON	6495
PE	37
QC	486
SK	107
YT	13
International	5396
Total	<hr/> 15386

Score/ Note	Fryer Rank/ Position	Galois Rank/ Position	Hypatia/ Hypatie Rank/ Position
40	1	1	1
39	3	30	9
38	12	43	20
37	30	63	44
36	60	122	84
35	96	240	135
34	147	417	191
33	208	615	261
32	267	841	339
31	346	1099	434
30	411	1340	534
29	513	1588	672
28	645	1814	801
27	789	2023	961
26	972	2195	1158
25	1165	2363	1395
24	1367	2550	1671
23	1597	2684	1922
22	1839	2813	2188
21	2123	2962	2505
20	2367	3101	2776
19	2603	3227	3045
18	2781	3349	3284
17	2981	3476	3450
16	3139	3600	3574
15	3281	3725	3683
14	3430	3833	3796
13	3543	3921	3866
12	3643	3998	3937
11	3754	4058	3989
10	3830	4125	4034
9	3900	4161	4062
8	3975	4201	4084
7	4014	4233	4104
6	4049	4260	4121
5	4093	4277	4133
4	4120	4296	4136
3	4136	4309	4145
2	4149	4318	4152
1	4161	4331	
0	4162	4335	4156

**N.B. These rankings pertain to ALL contestants /**  
**N.B. Ces rangs se rapportent à TOUS concurrents**



The top 25% of the competitors in each of the three Contests were divided into three categories: Gold Standard, Silver Standard and Bronze Standard, in the ratio 1 : 2 : 3. The names of the those students achieving the Gold Standard (that is, scoring in roughly the top 4%) are listed alphabetically below for each Contest.

Les candidats qui se classent dans le premier quart de classement dans chacun des trois concours ont été répartis en trois catégories: le niveau or, le niveau argent et le niveau bronze, selon le ratio 1 : 2 : 3. Le nom des étudiants qui ont obtenu le niveau or (c'est-à-dire ceux qui se classent parmi les premiers 4 p. 100) est donné par ordre alphabétique ci-dessous pour chaque concours.

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
BIMO	ADITYARAHMAN W	Surya Institute	Tangerang, Indonesia
HAKAN	ALPAN	Uskudar American Academy	Istanbul, Turkey
CLYDE	ANG	Math Trainers Guild of Philippines	Zamboanga City, Philippines
AJAY	ARORA	ICAE	Troy, MI
EFE	AYDOG	Uskudar American Academy	Istanbul, Turkey
FURKAN	AYSAL	Kultur2000 College	Buyukcekmece/Istanbul, Turkey
JUNHYUK	BAEK	Kennebecasis Valley H.S.	Rothsay, NB
OWEN	BAI	Sir Winston Churchill C.V.I.	Thunder Bay, ON
SHAUMIK	BAKI	Academie StE. Cecile Int'l	Windsor, ON
CHRISTOPHE	BANZON	Math Trainers Guild of Philippines	Zamboanga City, Philippines
PETAR	BASTA	Martingrove C.I.	Etobicoke, ON
LISA	BIAN	Waterloo C.I.	Waterloo, ON
SAFAL	BORA	ICAE	Troy, MI
ALEXANDRE	BOUFERGUENE	McKernan J.H.S.	Edmonton, AB
ISIDOR	BRKIC	Marc Garneau C.I.	North York, ON
SATHVIK	BYREDDY	ICAE	Troy, MI
EDDIE	CAI	College St. Louis	Lasalle, QC
CHELSEA	CAO	University of Toronto Schools	Toronto, ON
YUSHI	CAO	Markham District H.S.	Markham, ON
JOON	CHA	Earl of March S.S.	Kanata, ON
DARREN	CHAN	Richmond Hill H.S.	Richmond Hill, ON
ANGELA	CHANG	Colonel By S.S.	Gloucester, ON
ARORA	CHEN	Marc Garneau C.I.	North York, ON
YIFEI	CHEN		North York, ON
JONG HO	CHONG	Istanbul Int'l Community School	Istanbul, Turkey
MAN TUNG	CHOW	Chinese Int'l School	Braemar Hill, Hong Kong
RONALD	CHOW	Crescent School	North York, ON
HOYOUNG	CHUNG	Glenforest S.S.	Mississauga, ON
MICHELLE	CHUNG	St. Thomas Aquinas H.S.	Oakville, ON
BOB	CUI	Fraser Heights S.S.	Surrey, BC
ZHENG YU	CUI	E. Int'l de Montreal	Westmount, QC
HAINA	DAI	Appleby College	Oakville, ON
SURAYA	DHALLA	Marc Garneau C.I.	North York, ON
MILAN	DIGIUSEPPE	Sir Winston Churchill C.V.I.	Thunder Bay, ON
CINDY	DING	Lawrence Park C.I.	Toronto, ON
CYNTHIA	DING		Toronto, ON
YOYO	DING	Prince of Wales S.S.	Vancouver, BC
CLARE	DOBBIN	Branksome Hall	Toronto, ON
HARRY	DONG	University of Toronto Schools	Toronto, ON
RUI QING	DUAN I G	Dulwich College Shanghai	Shanghai, China
KYLE	DULAY	Math Trainers Guild of Philippines	Zamboanga City, Philippines
KERIM	ERASLAN	Ozel Ege Lisesi	Bornova Izmir, Turkey
SENBO	FAN	A.N. Myer S.S.	Niagara Falls, ON
COLIN	FANG	St. Robert C.H.S.	Thornhill, ON
THOMAS	FARRELL	Heritage Woods Secondary	Port Moody, BC
ZIYI	FENG	St. Michael's Univ. School	Victoria, BC
NICHOLAS	FERNANDEZ	Fountain of Academy of the Sacred Heart	Halifax, NS

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
CHRISTIAN	GELERA	Math Trainers Guild of Philippines	Zamboanga City, Philippines
ALEC	GIBSON	Huntsville H.S.	Huntsville, ON
NO NAME	GIVEN	William Lyon Mackenzie C.I.	North York, ON
DANIEL	GOODMAN	London Central S.S.	London, ON
CHRISTOPHE	GREGORIAN	Vincent Massey S.S.	Windsor, ON
VICTOR	GU	Chinese Int'l School	Braemar Hill, Hong Kong
FELIX	GUO	Pinetree S.S.	Coquitlam, BC
JULIA	GUO	Iroquois Ridge H.S.	Oakville, ON
SEAN	GUO	Chinese Int'l School	Braemar Hill, Hong Kong
THOMAS	GUO		North York, ON
MEHUL	GUPTA	The Woodlands S.S.	Mississauga, ON
LIAM	HALLIGAN	Kelvin H.S.	Winnipeg, MB
CHONG HAO	HAN		London, ON
MAGGIE	HAN	Dr. Norman Bethune C.I.	Scarborough, ON
RYAN	HARRS	Crescent School	North York, ON
JULIEN	HE	Holy Trinity C.H.S.	Kanata, ON
JOHN ARIES	HINGAN	Math Trainers Guild of Philippines	Zamboanga City, Philippines
YEJUN	HONG	Sherwood Heights Jr. H.S.	Sherwood Park, AB
JACINTA	HU	Crofton House School	Vancouver, BC
MITCHEL	HUANG	ICAE	Troy, MI
RICK	HUANG	Pinetree S.S.	Coquitlam, BC
TENG YI	HUANG		Montreal, QC
ERIN	HWANG	Crofton House School	Vancouver, BC
GALUH	INDRA KESUMA	Surya Institute	Tangerang, Indonesia
MATTHEW	ISIDRO	Math Trainers Guild of Philippines	Zamboanga City, Philippines
DONG HAE	JANG	UWC South East Asia East Campus	Singapore, Singapore
JINWON	JANG	Fredericton H.S.	Fredericton, NB
KEVIN	JIA	Lisgar C.I.	Ottawa, ON
EDWARD	JIANG	Moscrop S.S.	Burnaby, BC
DANIEL	JIN		North York, ON
JAMES	JIN		North York, ON
KEVIN	JIN	Bell H.S.	Nepean, ON
RICHARD	KANG	John Ware Jr. H.S.	Calgary, AB
YANSONG	KE	Marc Garneau C.I.	North York, ON
JILLIAN	KEE	Dulwich College Shanghai	Shanghai, China
SEDRICK	KEH	Math Trainers Guild of Philippines	Zamboanga City, Philippines
MATTHEW	KHAMKOON	Pui Ching M.S.	Kowloon City, Hong Kong
AMY	KIM	University of Toronto Schools	Toronto, ON
ANDREW	KIM	Walter Murray C.I.	Saskatoon, SK
HOJUN	KIM	Int'l School Manila	Taguig City, Philippines
JASON	KIM	Chinese Int'l School	Braemar Hill, Hong Kong
JOSEPH	KIM	Chinese Int'l School	Braemar Hill, Hong Kong
RYAN	KIM	Fredericton H.S.	Fredericton, NB
SEJIN	KIM	William Lyon Mackenzie C.I.	North York, ON
DILARA	KOZ	Bilkent Lab and Int'l School	Ankara, Turkey
KIERAN	KREIDIEAKAZAKI	University of Toronto Schools	Toronto, ON
RACHEL	KWONG	The Study	Westmount, QC
ELBERT	LAI	Waterloo C.I.	Waterloo, ON
ROBERT	LAO	Marc Garneau C.I.	North York, ON
WANG NGAI	LAU	Pui Ching M.S.	Kowloon City, Hong Kong
JIN	LEE	Dwight School Seoul	Seoul, Korea Republic of
JUSTIN	LEE	ICAE	Troy, MI
ANDY	LI	Renaissance College HK	Man On Shan, Hong Kong
BENJAMIN	LI		North York, ON
BERNETTA	LI	Chinese Int'l School	Braemar Hill, Hong Kong
DANIEL	LI	Chinese Int'l School	Braemar Hill, Hong Kong

Name/Nom		School/École	Location/Endroit
SHU HAO	LI		Vancouver, BC
YIKUAN	LI		North York, ON
ANDREW	LIN	St. George's School	Vancouver, BC
PAUL	LIN	Burnaby South S.S.	Burnaby, BC
JIMMY	LIU	Johnston Heights Jr. S.S.	Surrey, BC
JOHNNY	LIU	University of Toronto Schools	Toronto, ON
LENNO	LIU	Southridge School	Surrey, BC
RUIHAN	LIU	Pinetree S.S.	Coquitlam, BC
SHUYU	LIU		North York, ON
SPENCER	LIU	ICAE	Troy, MI
CHEUK HEI	LO	Pui Ching M.S.	Kowloon City, Hong Kong
JOSE	LOCSIN	Math Trainers Guild of Philippines	Zamboanga City, Philippines
FRANK	LONG	Richmond Hill H.S.	Richmond Hill, ON
NOEL	LOO	Queen Elizabeth H.S.	Calgary, AB
KAI	LUNG	Southridge School	Surrey, BC
RAY	LUO	Richmond Hill H.S.	Richmond Hill, ON
JEFF	MA	Sentinel S.S.	West Vancouver, BC
WELSON	MA		Burnaby, BC
IAN	MACINTOSH	Halifax Central Junior High	Halifax, NS
MIKE	MCCOLM	Barrie North C.I.	Barrie, ON
DHRUV	MEDARAMETLA	ICAE	Troy, MI
HERMISH	MEHTA	Glenforest S.S.	Mississauga, ON
JACOB	MOSSERI	Lower Canada College	Montreal, QC
MAHARAN	MURSHED	Toronto French School	North York, ON
FREDERICK	NGO	Academy for Gifted Children-PACE	Richmond Hill, ON
JULIA	NICHOLSON	Havergal College	North York, ON
VLAD	NITU	University of Toronto Schools	Toronto, ON
ZACHARY	OBSNIUK	ICAE	Troy, MI
LEON	OUYANG	Vincent Massey S.S.	Windsor, ON
BERNA	OZTAS	Kultur2000 College	Buyukcekmece/Istanbul, Turkey
ANGELINA	PAN	Havergal College	North York, ON
JOSHEN	PATEL	ICAE	Troy, MI
VIRAJ	PATIL		North York, ON
NOAH	PINNO	Queen Elizabeth H.S.	Calgary, AB
CONNOR	PRIOR	Riverdale C.I.	Toronto, ON
WILLIAM	QIAN		North York, ON
BILL	QIN		North York, ON
SHAQUILLE	QUE	Math Trainers Guild of Philippines	Zamboanga City, Philippines
ALEX	RAITA	Richmond Hill H.S.	Richmond Hill, ON
SAM	RHO	University of Toronto Schools	Toronto, ON
KEJIA	RUAN	Shanghai World Foreign Language M.S.	Shanghai, China
MOUJAN	SADERI	Marc Garneau C.I.	North York, ON
SHACHI	SALVI	ICAE	Troy, MI
RAAMAMURTH	SATHYANARAYANA	BrainBuilder - Dr Fong Maths	Subang Jaya, Malaysia
EDA	SEMSIOGLU	American Collegiate Institute	Izmir, Turkey
JASON	SHANG	Marc Garneau C.I.	North York, ON
PETER	SHI	Richmond Hill H.S.	Richmond Hill, ON
ANNA	SHINN	Havergal College	North York, ON
DENNIS	SITU	Vernon Barford School	Edmonton, AB
XIA	SIYUAN	Vernon Barford School	Edmonton, AB
JAE YUB	SONG	Yantai Yew Wah Int'l Education School	Yantai Shangdong, China
JEONGWON	SONG	Canadian Int'l School	Tokyo, Japan
OSCAR	SUEN	Chinese Int'l School	Braemar Hill, Hong Kong
BUGRA	SUKAS	Fen Bilimleri High School	Kartal, Turkey
SHASHANK	SWAMINATHAN	ICAE	Troy, MI
NOAH	TAJWAR	Riverside S.S.	Port Coquitlam, BC

Name/Nom		School/École	Location/Endroit
VINCENT	TAN	The Woodlands S.S.	Mississauga, ON
CHITTESH	THAVAMANI	ICAE	Troy, MI
HAOYUAN	TIAN		Mississauga, ON
DARREN	TONG	Chinese Int'l School	Braemar Hill, Hong Kong
ANDREW	TSAI	St. George's School	Vancouver, BC
EDISON	TSE	St. George's School	Vancouver, BC
DANIEL	TUDOR	University of Toronto Schools	Toronto, ON
THEO	VANDERKOOY	Waterloo C.I.	Waterloo, ON
AMAR	VENGA		London, ON
DANIEL	VENN	Johnston Heights Jr. S.S.	Surrey, BC
ANNA	VERKHOVSKAYA	John Ware Jr. H.S.	Calgary, AB
MAX	VERZUNOV	William Lyon Mackenzie C.I.	North York, ON
APURVA	VIRKUD	ICAE	Troy, MI
JIASHU	WANG	John Ware Jr. H.S.	Calgary, AB
KEVIN	WANG	St. Robert C.H.S.	Thornhill, ON
SHERRY	WANG	Pickering H.S.	Ajax, ON
YESHENG	WANG		North York, ON
NITHIN	WEERASINGHE	ICAE	Troy, MI
DANIEL	WEISDORF	Academy for Gifted Children-PACE	Richmond Hill, ON
ERIC	WEN	Moscrop S.S.	Burnaby, BC
GREGORY	WONG	Newmarket H.S.	Newmarket, ON
JOEL	WONG	Walter Murray C.I.	Saskatoon, SK
REBECCA	WONG	Marc Garneau C.I.	North York, ON
FARRELL	WU	Math Trainers Guild of Philippines	Zamboanga City, Philippines
JA SON	WU		Mississauga, ON
HENRY	XIA	Sir Winston Churchill S.S.	Vancouver, BC
JEFFERSON	XIE		North York, ON
MOKAI	XU		North York, ON
RICHARD	XU		North York, ON
JERRY	YANG	Marc Garneau C.I.	North York, ON
YIHAN	YAO	Lockerby Composite School	Sudbury, ON
SHIRLEY	YE	Burnaby South S.S.	Burnaby, BC
HWAJIN	YOO	Meadowridge School	Maple Ridge, BC
TSZ FUNG	YU	Pui Ching M.S.	Kowloon City, Hong Kong
JOSHUA	YUAN	William Lyon Mackenzie C.I.	North York, ON
ALBERT	ZHAN	Vincent Massey S.S.	Windsor, ON
BRANDON	ZHANG	Prince Of Wales Mini School	Vancouver, BC
HONGRUI	ZHANG	Yantai Yew Wah Int'l Education School	Yantai Shangdong, China
KEVIN	ZHANG	Lisgar C.I.	Ottawa, ON
LILLIAN	ZHANG	Markville S.S.	Markham, ON
MENGXUAN	ZHANG	Havergal College	North York, ON
YIQUN	ZHANG	Marc Garneau C.I.	North York, ON
FREDDIE	ZHAO	ICAE	Troy, MI
HONGXIANG	ZHAO	ICAE	Troy, MI
HANYU	ZHU	Glenforest S.S.	Mississauga, ON
JERRY	ZHU	R.E. Mountain S.S.	Langley, BC
LEO	ZHU	Agincourt C.I.	Scarborough, ON
RUI MIN	ZUO	E. Int'l de Montreal	Westmount, QC

The top 25% of the competitors in each of the three Contests were divided into three categories: Gold Standard, Silver Standard and Bronze Standard, in the ratio 1 : 2 : 3. The names of the those students achieving the Gold Standard (that is, scoring in roughly the top 4%) are listed alphabetically below for each Contest.

Les candidats qui se classent dans le premier quart de classement dans chacun des trois concours ont été répartis en trois catégories: le niveau or, le niveau argent et le niveau bronze, selon le ratio 1 : 2 : 3. Le nom des étudiants qui ont obtenu le niveau or (c'est-à-dire ceux qui se classent parmi les premiers 4 p. 100) est donné par ordre alphabétique ci-dessous pour chaque concours.

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
SINA	ABBASI		Toronto, ON
MARIA	ALTSHULLER	Bishop Strachan School	Toronto, ON
CHUN NGAI	AU	Chinese Int'l School	Braemar Hill, Hong Kong
JAMES	BAI	Richmond Hill H.S.	Richmond Hill, ON
MATTHEW	BAN KIM	University of Toronto Schools	Toronto, ON
DAVID	BANG	Fraser Heights S.S.	Surrey, BC
HAOCHENG	BI	Shanghai World Foreign Language M.S.	Shanghai, China
YURAN	BO	Western Canada H.S.	Calgary, AB
HERU	BUDIMAN	Surya Institute	Tangerang, Indonesia
VICLY	CAO O	New Westminster S.S.	New Westminster, BC
CHRISTABEL	CHAN	Bishop Strachan School	Toronto, ON
AI CHING	CHANG	Vincent Massey S.S.	Windsor, ON
CHIEH MING	CHANG	Fraser Heights S.S.	Surrey, BC
FANGWEI	CHANG	Don Mills C.I.	North York, ON
JEFFREY	CHEN	Vincent Massey S.S.	Windsor, ON
JUDY	CHEN	University of Toronto Schools	Toronto, ON
SIMON	CHENG	Sir John A. Macdonald C.I.	Scarborough, ON
KINTON	CHEUNG	Upper Canada College	Toronto, ON
HENRY	CHO	Western Canada H.S.	Calgary, AB
JENNY	CHOE	Earl of March S.S.	Kanata, ON
EDWARD	CHRISTOPHER	Surya Institute	Tangerang, Indonesia
DAVID	COHN	The Country Day School	King City, ON
IOANA	CRANT	Vincent Massey S.S.	Windsor, ON
TONY	CUI	Marc Garneau C.I.	North York, ON
XINYU	CUI	Zhengzhou Foreign Language School	Zhengzhou, China
F GIZEM	DEMIRCI	Ozel Ege Lisesi	Bornova Izmir, Turkey
MAX	DENG	The Woodlands S.S.	Mississauga, ON
SHUO	DIAO		North York, ON
ANTONY	DIAZ SALAZAR	E.S. St. Luc	Montreal, QC
TOM	DING	White Oaks S.S.	Oakville, ON
YUANYUAN	DING		Vancouver, BC
JAGROOP	DOAD	Vincent Massey S.S.	Windsor, ON
RICHARD	DU	Marc Garneau C.I.	North York, ON
VANESSA	DU	Marc Garneau C.I.	North York, ON
BOAN	FAN	Appleby College	Oakville, ON
ZHEN	FAN	Shenzhen M.S.	Shenzhen, China
ZIYING K	FAN	Moscrop S.S.	Burnaby, BC
JERRY	FEI	Nanchang No 2 High School	Nanchang, China
QIANG	FEI	Zhenhai H.S. of Zhejiang	Ningbo, China
HARRY	FENG		Vancouver, BC
PETER	FENG	Marc Garneau C.I.	North York, ON
TONGLE	FENG	The Woodlands S.S.	Mississauga, ON
KEVIN	FREEMAN	Markville S.S.	Markham, ON
TOLGA	GONULLU	Bilkent Lab and Int'l School	Ankara, Turkey
YASWANTA	GUMMADI	Pickering H.S.	Ajax, ON
BENSON	GUO	William Lyon Mackenzie C.I.	North York, ON
DANIEL	GUO	Martingrove C.I.	Etobicoke, ON

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
JENNIFER	GUO	Marc Garneau C.I.	North York, ON
ARIA	HALAVATI	Young Mathematician Association	Tehran, Iran
OKTAVIANUS	HANDIKA	Surya Institute	Tangerang, Indonesia
GEORGE	HO	Chinese Int'l School	Braemar Hill, Hong Kong
JACKIE	HO	Marc Garneau C.I.	North York, ON
CHENLIN	HONG	E. Int'l de Montreal	Westmount, QC
FRANK	HONG	Sir John A. Macdonald C.I.	Scarborough, ON
JIYE	HONG	UWC South East Asia East Campus	Singapore, Singapore
SHINEUI	HONG	Int'l School Manila	Taguig City, Philippines
XINHUI	HONG	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
MICHAEL	HOU	Pinetree S.S.	Coquitlam, BC
MINGYU	HOU	Zhengzhou Foreign Language School	Zhengzhou, China
JIANQIAO	HU	Beijing Concord College of Sino-Canada	Beijing, China
ZHIHAN	HU	Zhenhai H.S. of Zhejiang	Ningbo, China
BRYAN	HUANG	York Mills C.I.	North York, ON
CINDY	HUANG	Fraser Heights S.S.	Surrey, BC
YUNQIU	HUO	Ulink College of Suzhou Industrial Park	Suzhou Jiansu, China
DUYGU	IDER	Bilkent Lab and Int'l School	Ankara, Turkey
GABRIEL	IP	Marc Garneau C.I.	North York, ON
TIMOTHY	JACOB WAHYUDI	Surya Institute	Tangerang, Indonesia
NING	JAMES	Iroquois Ridge H.S.	Oakville, ON
ANDREW	JIANG	Applewood Heights S.S.	Mississauga, ON
HARRY	JIANG	College Cath. Franco-ouest	Nepean, ON
SONGZHOU	JIANG	Zhenhai H.S. of Zhejiang	Ningbo, China
HYERANG	JIN	College Sturgeon Heights Collegiate	Winnipeg, MB
QING	JIN	Zhenhai H.S. of Zhejiang	Ningbo, China
YUMING	JIN	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
CELINNA	JU	Sir Winston Churchill S.S.	Vancouver, BC
STEVEN	JUNG		Richmond Hill, ON
DAVID	KANG	Iroquois Ridge H.S.	Oakville, ON
HANSON	KANG	West Vancouver S.S.	West Vancouver, BC
NIKITA	KAPUSTIN		Toronto, ON
DONG HWAN	KIM	St. Andrew's College	Aurora, ON
MICHAEL	KIM	Leo Hayes H.S.	Fredericton, NB
SANGBIN	KIM	White Oaks S.S.	Oakville, ON
JUNGHOO	KO	Vincent Massey S.S.	Windsor, ON
NATASHA	LAI	David Thompson S.S.	Vancouver, BC
ROYCE	LAI	Markville S.S.	Markham, ON
JEFFREY	LAMSHINCHEUNG	St. Theresa of Lisieux C.H.S.	Richmond Hill, ON
HUI	LAN	Yantai Yew Wah Int'l Education School	Yantai Shangdong, China
ANDY	LEE	Pinetree S.S.	Coquitlam, BC
JASON	LEE	Walnut Grove S.S.	Langley, BC
CHEUK CHI	LEUNG	Pui Ching M.S.	Kowloon City, Hong Kong
JOHNATHA	LEWALL	Queen Elizabeth H.S.	Calgary, AB
AMBER	LI	Loretto Abbey C.S.S.	North York, ON
ANDREW	LI	Vincent Massey S.S.	Windsor, ON
HEZHEN	LI	Shanghai United Int'l School-Jiaoke Campus	Shanghai, China
MATTHEW	LI	Fraser Heights S.S.	Surrey, BC
MOLLY	LI	Don Mills C.I.	North York, ON
QI	LI	Zhenhai H.S. of Zhejiang	Ningbo, China
TONY	LI	Western Canada H.S.	Calgary, AB
WATSON	LI	Sentinel S.S.	West Vancouver, BC
XIN	LI	Zhenhai H.S. of Zhejiang	Ningbo, China
YIKUAN	LI		Scarborough, ON
ZHISHAN	LI	Nanghai No 1 M.S.	Foshan City Guangdong, China
PEILIN	LIAO	Nanghai No 1 M.S.	Foshan City Guangdong, China

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
HER PHAY	LIM	Raffles International Christian School	Jakarta Selatan, Indonesia
SEOKHO	LIM	Halifax West H.S.	Halifax, NS
KELSEY	LIM TIONG SOON	Math Trainers Guild of Philippines	Zamboanga City, Philippines
CHRISTIAN	LIPPAI		London, ON
ALEX	LIU	Vincent Massey S.S.	Windsor, ON
HUYANG	LIU	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
JIA YU	LIU	The Woodlands S.S.	Mississauga, ON
JINGYAO	LIU	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
LILY	LIU	Markville S.S.	Markham, ON
STEPHEN	LIU		Scarborough, ON
STEVEN	LIU	Waterloo C.I.	Waterloo, ON
YUJIA	LIU	Bear Creek S.S.	Barrie, ON
JIUJIU	LOU	Zhenhai H.S. of Zhejiang	Ningbo, China
ALEXANDER	LU	Kitsilano S.S.	Vancouver, BC
DAVID	LU	Marc Garneau C.I.	North York, ON
EDWARD	LU	Waterloo C.I.	Waterloo, ON
HENRY	LU		Richmond Hill, ON
LOUIS	LU	Pinetree S.S.	Coquitlam, BC
SELENA	LU	Sir Winston Churchill S.S.	Vancouver, BC
SEAN	LUCHEN	University of Toronto Schools	Toronto, ON
JUNRUI	LYU	Zhengzhou Foreign Language School	Zhengzhou, China
XURAN	MA	Glenforest S.S.	Mississauga, ON
YUE	MAN HON	Pui Ching M.S.	Kowloon City, Hong Kong
XU	MIAOMIAO	Wuxi No1 H.S	Wuxi Jiangsu, China
IVAN	MILOSLAVOV	College St. Louis	Lasalle, QC
TIM	MIN	Waterloo C.I.	Waterloo, ON
THOMAS	MIRCEA	Marc Garneau C.I.	North York, ON
NEVIN	MITAL	ICAE	Troy, MI
ZHENG	MUQING	Zhenhai H.S. of Zhejiang	Ningbo, China
YOTA	OHASHI	Waterloo C.I.	Waterloo, ON
KEEGAN	OMAHONEY	Christian Brothers College	Cork, Ireland
YUNCHENG	PAN	Shanghai Gold Apple School	Shanghai, China
MICHAEL	PANG	Fort Richmond C.I.	Winnipeg, MB
DIMA	PARAMONOV	Marc Garneau C.I.	North York, ON
JIN HWAN	PARK	Yantai Yew Wah Int'l Education School	Yantai Shangdong, China
JUNG IN	PARK	Pinetree S.S.	Coquitlam, BC
YURIM	PARK	Dr. G.W. Williams S.S	Aurora, ON
AISHWARYA	PATEL	Transitions Lab Prep School	Mumbai, India
CAROLINE	PEI	West Vancouver S.S.	West Vancouver, BC
JASON	PENG	Moscrop S.S.	Burnaby, BC
OLIVIA	PERRYMAN	Earl of March S.S.	Kanata, ON
ALEX	POPOVIC	Vincent Massey S.S.	Windsor, ON
SEAN	PURCELL	Marc Garneau C.I.	North York, ON
AMY	QIU	Vincent Massey S.S.	Windsor, ON
LUYU	QIUU	Zhenhai H.S. of Zhejiang	Ningbo, China
JUNWOO	RHA	Dwight School Seoul	Seoul, Korea Republic of
FRIEDA	RONG	Marc Garneau C.I.	North York, ON
WANG	RUOHANG	Wuxi No1 H.S	Wuxi Jiangsu, China
IVAN	SANTOSO	Surya Institute	Tangerang, Indonesia
JUHEE	SEO	Istanbul Int'l Community School	Istanbul, Turkey
EUGENE	SHEN	Sir Winston Churchill S.S.	Vancouver, BC
SOPHIA	SHEN		Vancouver, BC
YUHUI	SHEN	Zhenhai H.S. of Zhejiang	Ningbo, China
JASHAN	SHEWAKRAMANI	DPS International School	New Delhi, India
HERO	SHI	Dalian Maple Leaf Int'l School	Dalian Jinshitan, China
JINCE	SHI	Shenzhen Yaohua Experimental School	Shenzhen Guangdong, China

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
WARREN	SHI	Trinity College School	Port Hope, ON
XIAOYAN	SHI	Chinese Int'l School	Braemar Hill, Hong Kong
YIXUAN	SHI	Zhenhai H.S. of Zhejiang	Ningbo, China
MICHAEL	SHU	Marc Garneau C.I.	North York, ON
AMIRALI	SOHEILI	Young Mathematician Association	Tehran, Iran
WILLIAM	SUMENDAP	Surya Institute	Tangerang, Indonesia
EMILY	SUN		Vancouver, BC
NIKOLA	SURJANOVIC	Burnaby Central S.S.	Burnaby, BC
ADRIAN	SY	Math Trainers Guild of Philippines	Zamboanga City, Philippines
ANDREW	SY	Math Trainers Guild of Philippines	Zamboanga City, Philippines
YILUN	TAN	Burnaby Central S.S.	Burnaby, BC
JAMES	TANG	Fredericton H.S.	Fredericton, NB
GEN MARK	TANNO	Math Trainers Guild of Philippines	Zamboanga City, Philippines
JACKY	TIAN	Fraser Heights S.S.	Surrey, BC
RYAN	TIAN		North York, ON
TWESH	UPADHYAYA	Bear Creek S.S.	Barrie, ON
GEORGE	UTSIN	Waterloo C.I.	Waterloo, ON
YEE KHIAW	VOO	Cempaka Int'l School	Selangor, Malaysia
STEVEN	WAN	London Central S.S.	London, ON
ALLAN	WANG	Moscrop S.S.	Burnaby, BC
ANDI	WANG	Vincent Massey S.S.	Windsor, ON
ANGELA	WANG	Westdale S.S.	Hamilton, ON
DENNIS	WANG	St. George's School	Vancouver, BC
FENGYANG	WANG	Sir John A. Macdonald S.S.	Waterloo, ON
JAMIE	WANG	Fraser Heights S.S.	Surrey, BC
KATE	WANG	Chinese Int'l School	Braemar Hill, Hong Kong
XINYU	WANG	Don Mills C.I.	North York, ON
BEN	WEI		North York, ON
EISTON	WEI	Waterloo C.I.	Waterloo, ON
JAMESON	WENG	Bell H.S.	Nepean, ON
SHI	WENTAO	Zhenhai H.S. of Zhejiang	Ningbo, China
ERLANG	WIRATAMA SURYA	Surya Institute	Tangerang, Indonesia
MARCUS	WONG	Chinese Int'l School	Braemar Hill, Hong Kong
JISHENG	WU	Beijing Concord College of Sino-Canada	Beijing, China
FREDDY	XU	Hugh Boyd S.S.	Richmond, BC
HANJUN	XU	Wuxi No1 H.S.	Wuxi Jiangsu, China
ZIHAO	XU	Shanghai Guanghai College	Shanghai, China
JIAWEI	YAN	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
JITONG	YAN		Burnaby, BC
YIMANG	YANG	The Woodlands S.S.	Mississauga, ON
YUFAN	YANG	Wuxi No1 H.S.	Wuxi Jiangsu, China
TONY	YAO	Northern S.S.	Toronto, ON
MATTHEW	YE	Upper Canada College	Toronto, ON
WAI PAN	YIK	Pui Ching M.S.	Kowloon City, Hong Kong
DAVID	YIN	New Westminster S.S.	New Westminster, BC
FENG	YIWEI	Zhenhai H.S. of Zhejiang	Ningbo, China
KENNY	YOO	Abbey Park H.S.	Oakville, ON
HONGSEO	YOON	Dwight School Seoul	Seoul, Korea Republic of
WANG	YOU	Shenzhen M.S.	Shenzhen, China
LINHAN	YU	Zhenhai H.S. of Zhejiang	Ningbo, China
TIANYANG	YU	Ulink College of Suzhou Industrial Park	Suzhou Jiansu, China
WENYU	YU	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
YILUN	YU	Pinetree S.S.	Coquitlam, BC
YONGJIE	YU	Boren Sino-Canadian School	Jiangmen Guangdong, China
MIKE	YUE	Moscrop S.S.	Burnaby, BC
DOGA	YUKSEL	Ozel Ege Lisesi	Bornova Izmir, Turkey



Name/Nom		School/École	Location/Endroit
TIAN	YUN	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
ZHIHAO	ZENG	Nanhai No 1 M.S.	Foshan City Guangdong, China
JACK	ZHAI	Meadowridge School	Maple Ridge, BC
COCO	ZHANG	Branksome Hall	Toronto, ON
EDWARD	ZHANG		Richmond Hill, ON
GONGYI	ZHANG	Richmond Hill H.S.	Richmond Hill, ON
JINGXU	ZHANG		North York, ON
LILY	ZHANG	Moscrop S.S.	Burnaby, BC
SIMI	ZHANG	Don Mills C.I.	North York, ON
STEVEN	ZHANG	Seaquam S.S.	Delta, BC
YIHUAN	ZHANG	Zhenhai H.S. of Zhejiang	Ningbo, China
YIXUAN	ZHANG	Shanghai Guanghai College	Shanghai, China
ZHE	ZHANG	Zhenhai H.S. of Zhejiang	Ningbo, China
DUZHI	ZHAO	UWC South East Asia East Campus	Singapore, Singapore
MARTIN	ZHAO	Dalian Maple Leaf Int'l School	Dalian Jinshitan, China
STEPHEN	ZHAO	The Woodlands S.S.	Mississauga, ON
DANIEL	ZHOU	Centennial Collegiate	Saskatoon, SK
JEFFREY	ZHOU	Westmount Charter School	Calgary, AB
KEVIN	ZHOU	British Columbia Academy	Nanjing, China
ZIJIN	ZHOU	Zhenhai H.S. of Zhejiang	Ningbo, China
HAOTIAN	ZHU	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
JIE	ZHU	Fuyuan School	Shenzhen Guangdong, China
JIM	ZHU	Agincourt C.I.	Scarborough, ON
KEYI	ZHU	Shanghai Guanghai College	Shanghai, China

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<b>Name/Nom</b>	<b>School/École</b>	<b>Location/Endroit</b>
SANAT	ANAND	Welham Boys' School
NATHANAEL	BALETE	Math Trainers Guild of Philippines
MINGYUE	BAO	British Columbia Academy
KASSEM	BAZZI	Vincent Massey S.S.
ZHIYAN	BO	Shenzhen College of Int'l Education
GARO	BRIK	University of Toronto Schools
UMUT	BUL	Kultur2000 College
JIawei	CAI	Fredericton H.S.
JING	CAO	Wuxi No1 H.S
VICTORIA	CAO	Vincent Massey S.S.
JUSTIN	CHAI	Upper Canada College
CHEN	CHANG	Vincent Massey S.S.
MATTHEW	CHANG	Moscrop S.S.
JIALIN	CHEN	Zhenhai H.S. of Zhejiang
MINGQUAN	CHEN	WHBC of Wuhan Foreign Language School
SIQI	CHEN	British Columbia Academy
YUHENG	CHEN	York Mills C.I.
ZI KAI	CHEN	Colonel By S.S.
LINYI	CHENG	Colonel By S.S.
VICKY	CHENG	Agincourt C.I.
ROBERT	CHIANG	Marc Garneau C.I.
YOUNG SUK	CHOI	St. George's School
WIRIAWAN	CHRISTOPHER	Surya Institute
AUSTIN	CHUA	Math Trainers Guild of Philippines
JOHN	CHUATAK	Math Trainers Guild of Philippines
GAVIN	CROWDER	Colonel By S.S.
ANINDITEE	DAS	Marc Garneau C.I.
DYUMAN	DAS	West Carleton S.S.
JIAQI	DONG	Don Mills C.I.
YIWEN	DONG	Shanghai World Foreign Language M.S.
ALP EREN	ELCI	American Collegiate Institute
YAN LAM	FAN	Pui Ching M.S.
AO	FU	WHBC of Wuhan Foreign Language School
GEORGE	GAO	Killarney S.S.
FEI	GE	CIE Centre at Shanghai Experimental School
SABRINA	GE	University of Toronto Schools
SHAWN	GONG	Sir Winston Churchill C.V.I.
SHASHWAT	GUPTA	La Martiniere for Boys
SRUJAN	GUPTA	DPS International School
YANG	GUYAN	Zhenhai H.S. of Zhejiang
ANDREW	HAMILTON	Lower Canada College
YUMENG	HE	Zhenhai H.S. of Zhejiang
DANCHENG	HU	Fort Richmond C.I.
FENG	HU	WHBC of Wuhan Foreign Language School
PETER	HU	Henry Wise Wood Sr. H.S
TING HAN	HU	Waterloo C.I.
ZHONGYI	HU	Shanghai Guanghua College

Name/Nom		School/École	Location/Endroit
DEON	HUA	Dr. Norman Bethune C.I.	Scarborough, ON
SHU	HUANG	British Columbia Academy	Nanjing, China
YING	HUANG	Zhenhai H.S. of Zhejiang	Ningbo, China
ZHEYUAN	HUANG	Zhenhai H.S. of Zhejiang	Ningbo, China
BARTU	INCE	Ozel Ege Lisesi	Bornova Izmir, Turkey
AMOS	INDRANADA	Raffles International Christian School	Jakarta Selatan, Indonesia
DEREK	JEDRAL	University of Toronto Schools	Toronto, ON
LIJIN	JI	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
XINRUI	JIA	Vincent Massey S.S.	Windsor, ON
JIAHUI	JIANG		North York, ON
BILLY	JIN	Waterloo C.I.	Waterloo, ON
SHAN	JIN	Shenzhen M.S.	Shenzhen, China
ANDREW	KANG	St. Michael's Univ. School	Victoria, BC
STEFAN	KESELJ	Charles P. Allen H.S.	Bedford, NS
EUN KEE	KIM		Mississauga, ON
MINSEOK	KIM	Charles P. Allen H.S.	Bedford, NS
STELLA	KIM	Fraser Heights S.S.	Surrey, BC
CHAE EUN	KIM T	Gleneagle S.S.	Coquitlam, BC
TAEK HEE	KWUN	Halifax West H.S.	Halifax, NS
WOODY	LAU	Upper Canada College	Toronto, ON
ANTHONY	LE		Richmond Hill, ON
CATHERINE	LEE	Appleby College	Oakville, ON
CHAEYOUNG	LEE	Guangdong Country Garden School	Foshan City, China
CHIEH LIN	LEE	Dulwich College Shanghai	Shanghai, China
YUJIN	LEE	Abbey Park H.S.	Oakville, ON
BENJAMIN	LI		North York, ON
BRIAN	LI		North York, ON
RONGZHAO	LI	Waterloo C.I.	Waterloo, ON
SHUANGBING	LI	Zhenhai H.S. of Zhejiang	Ningbo, China
SHURUI	LI	CIE Centre at Shanghai Experimental School	Shanghai, China
ZEYU	LI	Lord Byng S.S.	Vancouver, BC
ZHEQI	LI	Burnaby South S.S.	Burnaby, BC
ZIYAN	LI	St. George's School	Vancouver, BC
JEFFREY	LIANG	Martingrove C.I.	Etobicoke, ON
ZISHEN	LIANG	British Columbia Academy	Nanjing, China
BAILEY	LIAO	Half Hallow Hills Central SD	Dix Hills, NY
HANZHEN	LIN	Markham District H.S.	Markham, ON
VICTOR	LING	London Central S.S.	London, ON
SIHAO	LIU	Don Mills C.I.	North York, ON
JIAYU	LOU	British Columbia Academy	Nanjing, China
ALICE	LU		Richmond Hill, ON
LIUPEI	LU	Pinetree S.S.	Coquitlam, BC
QINHAO	LUO	Thornhill S.S.	Thornhill, ON
AUSTIN	LUO I	Fraser Heights S.S.	Surrey, BC
MARC	MAILHOT	Notre Dame College School	Welland, ON
NOAH	MATSUI	William Lyon Mackenzie C.I.	North York, ON
ROBERTSON	MCCLURE	University of Toronto Schools	Toronto, ON
JOSE	MIRABUENO	Math Trainers Guild of Philippines	Zamboanga City, Philippines
CLARE	MOFFATT	Branksome Hall	Toronto, ON
SAEYON	MYLVAGANA	Marc Garneau C.I.	North York, ON
YANQI	NI	Zhenhai H.S. of Zhejiang	Ningbo, China
BLANKA	NYIRI	Colonel By S.S.	Gloucester, ON
GENCAY	OGETURK	Kultur2000 College	Buyukcekmece/Istanbul, Turkey
JI WON	OH	Chinese Int'l School	Braemar Hill, Hong Kong
CATHERINA	PAN	Burnaby South S.S.	Burnaby, BC
ERIC	PAN	London Central S.S.	London, ON

Name/Nom		School/École	Location/Endroit
XIANG	PAN	Zhenhai H.S. of Zhejiang	Ningbo, China
SIMRAN	PARHAR	Vincent Massey S.S.	Windsor, ON
JI YOUN	PARK	St. Michael's Univ. School	Victoria, BC
SANG WOO	PARK	King's Christian Collegiate	Oakville, ON
YOONA	PARK	Pinetree S.S.	Coquitlam, BC
P	PRASATH	Claremont S.S.	Victoria, BC
KATHY	RUAN	Kitsilano S.S.	Vancouver, BC
YIYUN	SHAO	CIE Centre at Shanghai Experimental School	Shanghai, China
JACQUELINE	SHEN	Burnaby South S.S.	Burnaby, BC
KE	SHI	Shenzhen M.S.	Shenzhen, China
XIAOYU	SHI	British Columbia Academy	Nanjing, China
JOSHUA	SHIN	Northern S.S.	Toronto, ON
APURVA	SHRIVASTAVA	ICAE	Troy, MI
DESMOND	SISSON	Western Canada H.S.	Calgary, AB
RYAN	SMITH	Leo Hayes H.S.	Fredericton, NB
CHRISTA L	SOESANTO	Surya Institute	Tangerang, Indonesia
ZI QING	SU		Richmond Hill, ON
MINKANG	SUK	Martingrove C.I.	Etobicoke, ON
MATTHEW	TAM	Chinese Int'l School	Braemar Hill, Hong Kong
JOHNNY	TANG	Markham District H.S.	Markham, ON
KEVIN	TIAN	St. George's School	Vancouver, BC
AUSTIN	TRIPP	Richmond Hill H.S.	Richmond Hill, ON
MAURICE	TSAI	David Thompson S.S.	Vancouver, BC
YING	TU	British Columbia Academy	Nanjing, China
MATEEN	ULHAQ	Pinetree S.S.	Coquitlam, BC
HARVEY	UY	Math Trainers Guild of Philippines	Zamboanga City, Philippines
SIYI	WAN	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
CLARK	WANG	Abbey Park H.S.	Oakville, ON
JIAHE	WANG	Zhenhai H.S. of Zhejiang	Ningbo, China
OLIVER	WANG	Dr. Norman Bethune C.I.	Scarborough, ON
RENHAO	WANG	Marc Garneau C.I.	North York, ON
RUIQI	WANG		Burnaby, BC
WENXUAN	WANG	British Columbia Academy	Nanjing, China
YITAO	WANG	St. George's School	Vancouver, BC
YUDI	WANG	Zhenhai H.S. of Zhejiang	Ningbo, China
YUXIAN	WANG	Zhenhai H.S. of Zhejiang	Ningbo, China
ZUN	WANG	Tianjin Teda Maple Leaf Int'l School	Teda, China
CONRAD	WEN	Burnaby South S.S.	Burnaby, BC
XIN	WEN	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
CHUANXIN	WU	Sir John A. Macdonald C.I.	Scarborough, ON
FEI	WU	Upper Canada College	Toronto, ON
HENRY	WU	University of Toronto Schools	Toronto, ON
MOHAN	WU	Vincent Massey S.S.	Windsor, ON
XIAOZE	WU	Marc Garneau C.I.	North York, ON
YI DI LILY	WU	Vincent Massey S.S.	Windsor, ON
ZHANGYI	WU	British Columbia Academy	Nanjing, China
JUDY	XU	Branksome Hall	Toronto, ON
ROBBIN	XU	Lisgar C.I.	Ottawa, ON
RUILONG	XU	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
STEPHEN	XU	Bell H.S.	Nepean, ON
YUWEI	XU	Vincent Massey S.S.	Windsor, ON
QIKAI	Y NGI	Ulink College of Suzhou Industrial Park	Suzhou Jiansu, China
MICHAEL	YANG	Dr. Norman Bethune C.I.	Scarborough, ON
JIANING	YAO	Wuxi No1 H.S	Wuxi Jiangsu, China
KAYE	YAO	Math Trainers Guild of Philippines	Zamboanga City, Philippines
YILAN	YE	Zhenhai H.S. of Zhejiang	Ningbo, China

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
ZICHENG	YE	Zhenhai H.S. of Zhejiang	Ningbo, China
JEFFREY	YING	The Woodlands S.S.	Mississauga, ON
KAI	YZENBRANDT	Claremont S.S.	Victoria, BC
HELEN	ZHA	Dulwich College Shanghai	Shanghai, China
REENA	ZHAN	University of Toronto Schools	Toronto, ON
BOCHEN	ZHANG	Western Canada H.S.	Calgary, AB
CHI	ZHANG	Kelvin H.S.	Winnipeg, MB
CYNTHIA	ZHANG	Pickering College	Newmarket, ON
JINGJING	ZHANG	Shenzhen M.S.	Shenzhen, China
LUCAS	ZHANG	Western Canada H.S.	Calgary, AB
MING	ZHANG	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
ROBERT	ZHANG	British Columbia Academy	Nanjing, China
TONY	ZHANG	Vincent Massey S.S.	Windsor, ON
WALEY	ZHANG	New Westminster S.S.	New Westminster, BC
YINGHE	ZHANG	Shenzhen College of Int'l Education	Shenzhen Guangdong, China
YUCHI	ZHANG	St. Francis Xavier S.S.	Mississauga, ON
YUNKAI	ZHANG	CIE Centre at Shanghai Experimental School	Shanghai, China
ZHEMIN	ZHANG	Waterloo C.I.	Waterloo, ON
ZIHAO	ZHANG	Vincent Massey S.S.	Windsor, ON
QIYI	ZHAO	Havergal College	North York, ON
WILLIAM	ZHAO		North York, ON
YINGYING	ZHAO	Sentinel S.S.	West Vancouver, BC
ECHO	ZHENG	Branksome Hall	Toronto, ON
YEXINHAO	ZHOU	Marc Garneau C.I.	North York, ON
YIMENG	ZHOU	Zhenhai H.S. of Zhejiang	Ningbo, China
FRANK	ZHU		Vancouver, BC
HANJIE	ZHU	Western Canada H.S.	Calgary, AB
JAMESON	ZHU	Windermere S.S.	Vancouver, BC
JULIA	ZHU	Northern S.S.	Toronto, ON
SAMANTHA	ZIMMERMAN	Burnaby Central S.S.	Burnaby, BC
TONY	ZOU	Bell H.S.	Nepean, ON