The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION
en MATHÉMATIQUES et en INFORMATIQUE

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2015 Results

2015 Résultats

Euclid Contest

Concours Euclide

UNIVERSITY OF WATERLOO

*Centre for Education in Mathematics and Computing Faculty and Staff /
Personnel du Centre d'éducation en mathématiques et informatique*

Ed Anderson	Sandy Graham
Jeff Anderson	Conrad Hewitt
Terry Bae	Angie Hildebrand
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Ersal Cahit	Judith Koeller
Heather Culham	Bev Marshman
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Fiona Dunbar	Kim Schnarr
Mike Eden	Carolyn Sedore
Barry Ferguson	Ian VanderBurgh
Judy Fox	Troy Vasiga
Steve Furino	JoAnn Vincent
John Galbraith	Tim Zhou

Problems Committee / Comité des problèmes

Fiona Dunbar (Chair / présidente), University of Waterloo, Waterloo, ON
Mike Aben, Lakefield College School, Lakefield, ON
Kathir Brabaharan, Sir John A. Macdonald C.I., Scarborough, ON
Adam Brown, University of Toronto Schools, Toronto, ON
Steve Brown, University of Waterloo, Waterloo, ON
Serge D'Alessio, University of Waterloo, Waterloo, ON
Charlotte Danard, Toronto, ON
Garry Kiziak, Burlington, ON
Darren Luoma, Bear Creek S.S., Barrie, ON
Alex Pintilie, Crescent School, Toronto, ON
David Pritchard, University of California, Los Angeles, CA
Ross Willard, University of Waterloo, Waterloo, ON

Overall Comments

Congratulations to all of the participants in the 2015 Euclid Contest. The average score in 2015 was 45.4. We were very pleased that a almost all students achieved some success on the early parts of the paper. At the same time, the later parts of these problems managed to challenge the top students even more than last year's problems. Special congratulations go to the 22 official contestants who achieved scores of 90 and higher this year.

We at the Centre for Education in Mathematics and Computing believe strongly that it is very important for students to both learn to solve mathematics problems and learn to write good solutions to these problems. Many students do a reasonable job of writing solutions, while others still include no explanation whatsoever.

Special thanks go to the Euclid Committee that annually sets the Contest problems and manages to achieve a very difficult balancing act of providing both accessible and challenging problems on the same paper.

To the students who wrote, the parents who supported them, and the teachers who helped them along the way, thank you for your continuing participation and support. We hope that you enjoyed the Contest and relished the challenges that it provided. We hope that mathematics contests continue to feed your love for and interest in mathematics.

Specific Comments

1. Average: 9.5
   This question was well done. We are pleased that part (c) involving functional notation demonstrated a strong understanding among the students who wrote.

2. Average: 8.8
   Parts (a) and (b) were well done. In part (b), a common incorrect answer was $\sqrt{2} - 1$ when students used an expression like $R + 1$ for the radius of the larger circle and then calculated R. In part (c), a complete solution required some explanation and not only calculations to be shown.

3. Average: 7.2
   Most students solved part (a) and did this using a special triangle or using trigonometry. Part (b) was fairly well done when a base of PN and height of 4 was used. Some students chose MN for the base of $\triangle MNP$, and then determined the corresponding height, often not recognizing that the height was not NP.

4. Average: 6.4
   Part (a) was well done. In part (b), many students correctly factored the cubic equation found from the equations of the two graphs as the product of x and a quadratic expression. For the quadratic expression to have a double root, the discriminant is equal to zero. Some students determined only one value for a solving either $a + 1 = 4$ or $a + 1 = -4$, but not recognizing both possibilities.

5. Average: 3.9
   The majority of students did well on part (a). Common errors included assuming that $\triangle ADE$ was a 30°-60°-90° triangle, and using incorrect trigonometric ratios. Many students made good progress on part (b), though it was tricky to clearly justify one's process. Common errors included missing one of the factorizations of 49 (either $1 \cdot 49$ or $7 \cdot 7$), missing one of the given condition (for example, $a < b$), or not ensuring that at least one entry in the third list was greater than 75.

6. Average: 4.3
   Part (a) was reasonably well done. The most common error was an incorrect number of terms that repeat. In part (b), students had to be very careful. Many students ignored the cases of $x > -1$ and $x < -1$ which normally led to finding only one of the two intervals. Many solutions involved charts which looked at the sign of the various factors in the expression and looked at the function values on the intervals between critical

values to answer the question. Many of these charts were not labelled or not well labelled. Often, there was little explanation of how the final answers were arrived at was given. To obtain full marks, students had present sufficient explanation to demonstrate that they understood all of the necessary steps in the solution.

7. Average: 3.7

   There were many correct answers to part (a). Many of the incorrect solutions did not recognize the symmetry of the diagram and tried to use trigonometry or another method without too much success. In part (b), there were many good solutions presented. The most common error was not solving the problem in enough generality after building specific sequences which satisfied the conditions.

8. Average: 1.2

   In part (a), we were pleased to see most students recognize that $(0, -5)$ was one of the three points of intersection between the parabola and circle. This was often followed by successful algebra to find expressions for the other points of intersections and, from this, an expression for the area of the triangle. The next step was challenging. If the area of the triangle is an integer, it does not necessarily follow that the coordinates of the points of intersection must be integers. Making this argument in this case in a clear and convincing way is difficult. Instead, it is probably easier to note that k is at most 10 and then test this small number of possible values. Part (b) is a lovely question because there are so many possible solutions. Markers were excited to learn of different approaches even after seeing a large number of papers. Our model solution makes use of similar triangles which was the most common approach. Can you find a short alternate solution to this problem by calculating the area of $\triangle XYZ$ in two different ways?

9. Average: 0.3

   It was nice see the correct use of rules of logarithms to simplify the system of equations. After doing this, we encourage problem solvers to look for clever ways to solve the system other than brute force techniques that involve only isolating one variable and the substituting the resulting right-hand side into another equation. These clever techniques are often easier to discover after making a change of variable as illustrated in the model solutions.

10. Average: 0.1

   This is a very difficult question. We did see a good number of correct solutions to part (a) but not many marks were awarded for the last two parts.

Please visit our website at www.cemc.uwaterloo.ca to download the 2015 Euclid Contest, plus full solutions.

Commentaires Généraux

Félicitations à tous les participants du Concours Euclide 2015. La note moyenne était 45,4. Nous avons eu le plaisir de constater que presque tous les élèves ont eu du succès dans les premières questions. De plus, les dernières parties de ces problèmes présentaient un plus grand défi pour les meilleurs étudiants que l'année dernière. Des félicitations spéciales vont aux vingt-deux concurrents officiaux qui ont atteint une note supèrieure ou égale à 90 sur 100.

Le Centre d'éducation en mathématiques et en informatique croit fortement qu'il est très important pour les étudiant(e)s d'apprendre à résoudre des problèmes de mathématiques ainsi que d'apprendre à écrire de bonnes solutions à ces problèmes. Plusieurs étudiants développent leurs solutions résonablement bien, tandis que d'autres n'inclus aucune explication avec leurs réponses.

Un grand merci va au comité du concours Euclide qui rassemble annuellement les problèmes du concours et réussit à accomplir la tâche difficile de concevoir des problèmes accessibles et stimulants sur le même examen.

Un grand merci aux étudiant(e)s qui ont écrit, aux parents qui les ont soutenus et aux enseignant(e)s qui les ont aidés pour votre participation continue et votre soutien. Nous espérons que vous avez apprécié le concours et savouré les défis qu'il a présentés. Nous espérons que les concours de mathématiques continuent à nourrir votre amour et intérêt pour les mathématiques.

Remarques particulières

1. Moyenne: 9.5
   Cette question a été bien réussie. Dans la partie (c), on a constaté avec plaisir que ceux et celles qui ont répondu avaient une bonne compréhension de la notation fonctionnelle.

2. Moyenne: 8,8
   Les parties (a) et (b) ont été bien réussies. Dans la partie (b), bon nombre d'élèves ont donné la réponse erronée $\sqrt{2} - 1$ après avoir utilisé l'expression $R + 1$ pour le rayon du grand cercle donné et la valeur de R comme réponse. Dans la partie (c), une solution complète devait inclure une description du travail et pas seulement une série de calculs.

3. Moyenne: 7,2
   La plupart des élèves ont réussi la partie (a), soit en ayant recours à un triangle remarquable, soit à l'aide de la trigonométrie. Ceux et celles qui ont utilisé la base PN du triangle MNP et la hauteur correspondante de 4 ont bien réussi la partie (b). Certains ont utilisé MN comme base du triangle MNP pour ensuite déterminer la hauteur correspondante. Certains croyaient à tort que la hauteur était NP.

4. Moyenne: 6,4
   La partie (a) a été bien réussie. Dans la partie (b), bon nombre d'élèves ont obtenu l'équation $x^3 - (a + 1)x^2 + 4x = 0$ à partir des équations des courbes et ont factorisé le membre de gauche pour obtenir $x(x^2 - (a + 1)x + 4) = 0$. Pour que l'équation $x^2 - (a + 1)x + 4 = 0$ admette une racine double, il faut que son discriminant soit nul. Certains n'ont obtenu qu'une valeur de a en résolvant $a + 1 = 4$ ou $a + 1 = -4$, sans reconnaître les deux possibilités.

5. Moyenne: 3,9
   La plupart des élèves ont bien réussi la partie (a). Certains ont supposé, à tort, que le triangle ADE était un triangle remarquable 30°-60°-90°. D'autres ont utilisé les mauvais rapports trigonométriques. Bon nombre d'élèves ont progressé assez bien dans la partie (b), mais ils ont éprouvé de la difficulté à bien justifier leur démarche. Il leur arrivait souvent d'oublier une des factorisations de 49 ($1 \cdot 49$ ou $7 \cdot 7$) ou une des restrictions données (par exemple, $a < b$ ou que l'un des nombres de la troisième liste était supérieur à 75).

6. Moyenne: 4,3

   La partie (a) a été assez bien réussie. L'erreur la plus commune a été de déterminer le mauvais nombre de termes qui se répétaient. Dans la partie (b), il fallait beaucoup de rigueur. Beaucoup d'élèves ont omis les cas $x > -1$ et $x < -1$, ce qui ne menait généralement qu'à un seul intervalle. Bon nombre de solutions faisaient appel à un tableau qui tenait compte des signes des divers facteurs de l'expression et observaient les valeurs de l'expression entre certaines valeurs critiques. Ces tableaux étaient souvent peu ou mal définis. De plus, on indiquait rarement comment la réponse était obtenue. Pour obtenir le maximum de points, les élèves doivent décrire et expliquer leur démarche de manière à démontrer qu'elles et ils comprennent toutes les étapes de leur solution.

7. Moyenne: 3,7

   Bon nombre d'élèves ont réussi la partie (a). Dans les solutions erronées, les élèves n'ont pas vu la symétrie de la figure et ont utilisée des approches trigonométriques qui ne menaient nulle part. Dans la partie (b), un nombre de bonnes solutions ont été présentées. L'erreur la plus commune a été d'examiner des cas particuliers sans procéder à une approche générale.

8. Moyenne: 1,2

   Dans la partie (a), la plupart des élèves ont reconnu que le point $(0, -5)$ était un des trois points d'intersection de la parabole et du cercle. Bon nombre d'élèves ont poursuivi en déterminant des expressions pour les coordonnées des autres points d'intersection et d'une autre pour l'aire du triangle. L'étape suivante était un défi. Si l'aire du triangle est un entier, on ne peut pas conclure que les coordonnées des sommets sont nécessairement des entiers. Il est difficile, dans ce cas, de le faire d'une façon claire et concise. Il est probablement plus facile de remarquer que k est inférieur ou égal à 10 et de considérer toutes les valeurs possibles. La partie (b) est un beau problème, car il admet une variété de solutions. Les correcteurs étaient épatés de constater de nouvelles solutions, même après en avoir vues beaucoup. Notre solution modèle fait appel aux triangles semblables, ce qui était l'approche la plus commune. On vous met au défi de trouver une solution courte qui demande de déterminer l'aire du triangle XYZ de deux façons différentes.

9. Moyenne: 0,3

   Il était agréable de constater une utilisation correcte des lois des logarithmes pour simplifier les équations. Après cette étape, on encourage les élèves à chercher une façon astucieuse pour résoudre le système d'équation au lieu de tout simplement isoler une inconnue et de reporter l'expression qui en résulte dans les autres équations. Ces approches astucieuses sont souvent plus faciles à découvrir si on simplifie les équations par un changement de variables, comme dans les solutions modèles.

10. Moyenne: 0,1

    Il s'agissait d'un problème très difficile. On a noté un bon nombre de bonnes solutions de la partie (a), mais peu de points ont été accordés pour les deux autres parties.

Veuillez visiter notre site Web à www.cemc.uwaterloo.ca pour télécharger le Concours Euclide 2015, avec solutions complètes.

STUDENTS / ÉLÈVES

Students are listed in alphabetical order. / Les élèves sont nommés en ordre alphabetique.

Plaques			
	Sina Abbasi	Richmond Hill H.S.	Richmond Hill, ON
	Rongxin Du	Marc Garneau C.I.	North York, ON
	Senbo Fan	A.N. Myer S.S.	Niagara Falls, ON
	Heng Xia	Sir Winston Churchill S.S.	Vancouver, BC
	Waley Zhang	New Westminster S.S.	New Westminster, BC

Each plaque winner receives a \$500 cash prize from the Centre for Education in Mathematics and Computing. /
Chaque élève qui reçois une plaque recevra aussi un prix de 500 \$ du Centre d'éducation en mathématiques et en informatique.

Honourable Mentions / Mentions Honorables			
	Jeffrey Dawson	University Transition Program	Vancouver, BC
	Leo Feng	Vincent Massey S.S.	Windsor, ON
	Michael Pang	Fort Richmond C.I.	Winnipeg, MB
	Dima Paramonov	Marc Garneau C.I.	North York, ON
	Fengyang Wang	Sir John A. Macdonald S.S.	Waterloo, ON
	Ruiming Xiong	Western Canada H.S.	Calgary, AB
	Jinhao Xu		Burnaby, BC
	Ruizhou Yang	University Hill S.S.	Vancouver, BC
	Qingrui Zhang	Sir William Mulock S.S.	Newmarket, ON
	Yixiao Zhang	Woburn C.I.	Scarborough, ON
	Yiwei Zhu	Bronte College of Canada	Mississauga, ON

Each student awarded an Honourable Mention receives a \$200 cash prize from the Centre for Education in Mathematics and Computing. /
Chaque élève qui reçois une mention honorable recevra aussi un prix de 200 \$ du Centre d'éducation en mathématiques et en informatique.

TEAMS / ÉQUIPES

Champion/Première:	Marc Garneau C.I.	North York, ON
Second/Deuxième:	Sir Winston Churchill C.I.	Vancouver, BC
Third/Troisième:	Vincent Massey S.S.	Windsor, ON
Fourth/Quatrième:	Bayview S.S.	Richmond Hill, ON
Fifth/Cinquième:	University Hill S.S.	Vancouver, BC

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

	Enrollment/ Inscription
AB	472
BC	2113
MB	252
NB	164
NL	115
NS	238
NT	8
NU	1
ON	9182
PE	34
QC	201
SK	135
YT	3
International	5366
Total	18284

There were 1499 schools enrolled. / 1499 écoles étaient inscrites.

Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
100		74	408	49	5577	24	13252
99		73	472	48	5938	23	13415
98	1	72	557	47	6301	22	13574
97		71	645	46	6683	21	13684
96	2	70	742	45	7059	20	13812
95	5	69	857	44	7418	19	13902
94		68	972	43	7771	18	13979
93	6	67	1122	42	8119	17	14052
92	7	66	1272	41	8449	16	14111
91	10	65	1422	40	8822	15	14178
90	15	64	1607	39	9166	14	14227
89	23	63	1793	38	9476	13	14257
88	30	62	1989	37	9806	12	14277
87	36	61	2172	36	10133	11	14307
86	47	60	2348	35	10439	10	14327
85	59	59	2573	34	10748	9	14341
84	70	58	2821	33	11074	8	14352
83	90	57	3089	32	11359	7	14362
82	115	56	3365	31	11645	6	14372
81	135	55	3652	30	11920	5	14382
80	156	54	3930	29	12169	4	14386
79	176	53	4247	28	12428	3	14388
78	218	52	4557	27	12645	2	
77	269	51	4883	26	12852	1	
76	314	50	5224	25	13063	0	
75	349						

N.B. These rankings pertain to official contestants only. /
N.B. Ces rangs ne s'appliquent qu'aux concurrents officiels.

Distribution of Marks / Distribution des points
This chart pertains to official contestants only. / Le graphique s'appliquent qu'aux concurrents officiels.

Number of competitors: 14396
Average Mark: 45.4

Score/ Note	Percentage of Students/ Pourcentage des ètudiants	Cumulative Percentage/ Pourcentage accumulé
91-100	0.1	0.1
86-90	0.3	0.4
81-85	0.7	1.1
76-80	1.3	2.4
71-75	2.7	5.1
66-70	4.7	9.9
61-65	6.4	16.3
56-60	9.1	25.4
51-55	10.9	36.3
46-50	12.7	49.0
41-45	12.2	61.3
36-40	11.2	72.5
31-35	10.3	82.8
26-30	7.9	90.7
21-25	5.2	95.9
0-20	4.1	100.0

2015
Euclid Contest/Concours Euclide
Team Honour Roll/Palmarès d'équipes

Rank/Rang	School/École	City/Ville	Score/Note
1	Marc Garneau C.I.	North York	269
2	Sir Winston Churchill S.S.	Vancouver	254
3	Vincent Massey S.S.	Windsor	253
4	Bayview S.S.	Richmond Hill	252
5	University Hill S.S.	Vancouver	251
6	Moscrop S.S.	Burnaby	249
6	Richmond Hill H.S.	Richmond Hill	249
8	Sir John A. Macdonald S.S.	Waterloo	246
8	Waterloo C.I.	Waterloo	246
10	New Westminster S.S.	New Westminster	239
11	Unionville H.S.	Markham	238
12	Western Canada H.S.	Calgary	237
13	Columbia Int'l College	Hamilton	235
13	University of Toronto Schools	Toronto	235
15	University Transition Program	Vancouver	233
16	Burnaby North S.S.	Burnaby	232
17	Fort Richmond C.I.	Winnipeg	231
17	Pierre Elliott Trudeau H.S.	Markham	231
17	Rothesay Netherwood School	Rothesay	231
17	Semiahmoo S.S.	Surrey	231
21	Albert Campbell C.I.	Scarborough	230
21	Nepean H.S.	Ottawa	230
23	Bishop Allen Academy	Etobicoke	228
24	Sir Winston Churchill H.S.	Calgary	227
25	Fredericton H.S.	Fredericton	226
25	St. George's School	Vancouver	226
25	Walter Murray C.I.	Saskatoon	226
25	White Oaks S.S.	Oakville	226
29	Marianopolis College	Westmount	225
29	Royal Crown Academic School	North York	225
31	The Woodlands Sec. School	Mississauga	224
32	Fleetwood Park S.S.	Surrey	223
33	A.Y. Jackson S.S.	North York	222
33	St. Michael's Univ. School	Victoria	222
35	Bell H.S.	Nepean	221
35	Don Mills C.I.	North York	221
35	Halifax West H.S.	Halifax	221
35	St. Robert C.H.S.	Thornhill	221
35	Stephen Leacock C.I.	Scarborough	221
40	York Mills C.I.	North York	220
41	Centennial Collegiate	Saskatoon	219
41	Earl Haig S.S.	North York	219
43	Appleby College	Oakville	218
44	Old Scona Academic H.S.	Edmonton	217
44	Sir William Mulock S.S.	Newmarket	217
44	Victoria Park C.I.	North York	217
47	Markville S.S.	Markham	216
47	Port Moody Sr. S.S.	Port Moody	216
47	Thornhill S.S.	Thornhill	216
50	A.B. Lucas S.S.	London	215
50	Bur Oak S.S.	Markham	215

Name/Nom		School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I		**Scores/Notes 98 - 92**		
ABBASI	SINA	Richmond Hill H.S.	Richmond Hill	12
DU	RONGXIN	Marc Garneau C.I.	North York	12
FAN	SENBO	A.N. Myer S.S.	Niagara Falls	11
XIA	HENG	Sir Winston Churchill S.S.	Vancouver	11
ZHANG	WALEY	New Westminster S.S.	New Westminster	11
Group II/Groupe II		**Scores/Notes 91 - 86**		
DAWSON	JEFFREY	University Transition Program	Vancouver	12
FENG	LEO	Vincent Massey S.S.	Windsor	10
GUO	JENNIFER	Marc Garneau C.I.	North York	11
LI	ANDREW	Vincent Massey S.S.	Windsor	12
LIU	BINGRUO	Bayview S.S.	Richmond Hill	12
PANG	MICHAEL	Fort Richmond C.I.	Winnipeg	12
PARAMONOV	DIMA	Marc Garneau C.I.	North York	12
SHI	JANE	Sir Winston Churchill H.S.	Calgary	10
WANG	FENGYANG	Sir John A. Macdonald S.S.	Waterloo	12
XIONG	RUIMING	Western Canada H.S.	Calgary	10
XU	JINHAO		Burnaby	11
YANG	RUIZHOU	University Hill S.S.	Vancouver	10
ZHANG	QINGRUI	Sir William Mulock S.S.	Newmarket	12
ZHANG	YIXIAO	Woburn C.I	Scarborough	12
ZHU	YIWEI	Bronte College Of Canada	Mississauga	12
Group III/Groupe III		**Scores/Notes 85 - 82**		
AHN	SUNGIL	Yale S.S.	Abbotsford	12
CAO	RICHARD	Walter Murray C.I.	Saskatoon	11
CHEN	JOHNSON	Nepean H.S.	Ottawa	12
CHO	YOUNG	Moscrop S.S.	Burnaby	11
CHOW	RICHARD	Albert Campbell C.I.	Scarborough	11
CHOW	STEVEN	Albert Campbell C.I.	Scarborough	9
CUI	CHENXUAN BOB	Semiahmoo S.S.	Surrey	11
DENG	YIZHOU	The Woodlands Sec. School	Mississauga	12
FAN	ZI YING	Moscrop S.S.	Burnaby	12
ILYAS	ANDREW	Waterloo C.I.	Waterloo	12
JIANG	SHENGZHUO	Waterloo C.I.	Waterloo	12
KHESIN	ANDREY	Marc Garneau C.I.	North York	12
LI	MICHAEL		North York	9
LI	QIYANG	Bayview S.S.	Richmond Hill	12
LI	YAN	St. Robert C.H.S.	Thornhill	12
LIM	JEANNE	Burnaby North S.S.	Burnaby	12
LIU	IVON	Moscrop S.S.	Burnaby	11
LU	HONG YI	University Hill S.S.	Vancouver	12
MO	GEORGE		North York	9
QIN	BILL		North York	9
SHEN	EUGENE	Sir Winston Churchill S.S.	Vancouver	12
SUN	KAI	A.B. Lucas S.S.	London	9
SUN	LANFENG	Rothesay Netherwood School	Rothesay	11
SUN	LINYIN	Victoria Park C.I.	North York	10
TIAN	TIAN	Thornhill S.S.	Thornhill	12
WANG	ZHI	Columbia Int'l College	Hamilton	12

Group III/Groupe III   Scores/Notes 85 - 82

WEI	ZIJIAN	Unionville H.S.	Markham	12
YE	XIZE	Braemar College	Toronto	12
YUAN	MORGAN	Bayview S.S.	Richmond Hill	11
ZHAO	BOAN	St. George's School	Vancouver	11
ZHOU	DANIEL	Centennial Collegiate	Saskatoon	10
ZHOU	JOHN	University of Toronto Schools	Toronto	12
ZHOU	YUNFAN	Oakville Trafalgar H.S.	Oakville	11

Group IV/Groupe IV   Scores/Notes 81 - 77

BAHRI	ZAMIL	Sir John A. Macdonald S.S.	Waterloo	12
BATEMAN	GREGORY	Royal St. George's College	Toronto	12
BI	WEI GUANG	Marianopolis College	Westmount	13
CHEN	JIANYE	Vincent Massey S.S.	Windsor	11
CHOPRA	PARTH	Bayview S.S.	Richmond Hill	10
DIAO	JOSEPH	Unionville H.S.	Markham	11
DING	TOM	White Oaks S.S.	Oakville	12
DING	YOYO	Crofton House School	Vancouver	11
DOAD	JAGROOP	Vincent Massey S.S.	Windsor	12
FENG	JIMMY	Luther College	Regina	11
FENG	ZIYI	St. Michael's Univ. School	Victoria	11
GUO	THOMAS		North York	9
HAN	CHONG HAO		London	11
HARRY	CAO	L'Amoreaux C.I.	Scarborough	12
HONG	FRANK	Bayview S.S.	Richmond Hill	12
HUANG	YUSHU	Marc Garneau C.I.	North York	10
KARAPETOV	ARTYOM	Chetan Mannige	Oakville	12
KUMANAN	VAISHALI	Sir John A. Macdonald S.S.	Waterloo	10
LAI	XINGYU	Can-Lakeshore Academy	Markham	12
LAI	ZHENGXUAN	Holy Trinity C.S.S.	Oakville	11
LIM	SEOKHO	Halifax West H.S.	Halifax	12
LIN	ZIYI	Clinton Int'l College	Toronto	12
LIU	JEFFREY	Marc Garneau C.I.	North York	9
LIU	XURAN	Bishop Allen Academy	Etobicoke	11
LUO	GONGMING	Sir Winston Churchill S.S.	Vancouver	11
PANG	LAWRENCE	Marc Garneau C.I.	North York	10
POPOVIC	ALEX	Vincent Massey S.S.	Windsor	12
REN	ZHE	Bishop Allen Academy	Etobicoke	12
RONG	FRIEDA	Marc Garneau C.I.	North York	12
RONG	VICTOR	University of Toronto Schools	Toronto	9
SHEN	HENGHUI	Columbia Int'l College	Hamilton	12
SHEN	SI CHEN	Centennial C. and V.I.	Guelph	12
SHI	DYLAN	Eric Hamber S.S.	Vancouver	12
SHI	MENG FAN	Fleetwood Park S.S.	Surrey	12
SHI	XIRAN	Appleby College	Oakville	11
SUN	YUXUAN	Sir John A. Macdonald S.S.	Waterloo	11
TAN	XIANG	Earl Haig S.S.	North York	11
TIAN	LUYI	Imperial College Of Toronto	Etobicoke	12
WANG	LINCHUAN	Lockview H.S.	Fall River	11
WANG	RUOHONG	A.Y. Jackson S.S.	North York	11
WANG	VICTOR	Sir Winston Churchill S.S.	Vancouver	9
WANG	YUANXIN	Pierre Elliott Trudeau H.S.	Markham	12
WEI	BEN	Waterloo C.I.	Waterloo	10
WEINERMAN	CHAIM	Mount Douglas S.S.	Victoria	12
WENG	JAMESON	Bell H.S.	Nepean	12

Group IV/Groupe IV   Scores/Notes 81 - 77

WONG	JONATHAN	Bayview S.S.	Richmond Hill	12
WU	YULUN	Rothesay Netherwood School	Rothesay	12
XU	FREDDY	Sir Winston Churchill S.S.	Vancouver	12
XU	HANYONG	York Mills C.I.	North York	12
YANG	ANQI	Fleetwood Park S.S.	Surrey	12
YING	CHENGLIANG	Cowichan Sr. S.S.	Duncan	12
ZHAI	SABRINA	University Transition Program	Vancouver	12
ZHANG	KEVIN	Marianopolis College	Westmount	13
ZHANG	LILLIAN	Markville S.S.	Markham	11
ZHANG	RUOXI	Stephen Leacock C.I.	Scarborough	12
ZHANG	XIAOTIAN	Royal Crown Academic School	North York	12
ZHANG	YONG XU	Bayview S.S.	Richmond Hill	11
ZHOU	WEITAO	Craig Kielburger S.S.	Milton	12
ZOU	WILLIAM	Pierre Elliott Trudeau H.S.	Markham	12

Group V/Groupe V   Scores/Notes 76 - 72

AN	QIN	Waterloo C.I.	Waterloo	12
AN	SEONG YEOL	St. Theresa of Lisieux C.H.S.	Richmond Hill	12
ARORA	RAHUL	Sir Winston Churchill H.S.	Calgary	12
BAI	JAMES	Richmond Hill H.S.	Richmond Hill	12
BORETSKY	JONATHAN	Dawson College	Montreal	12
BUMBULIS	ERIK	Waterloo C.I.	Waterloo	12
CAO	JINGZHUO	Bayview S.S.	Richmond Hill	12
CHE	XINTONG	Birchmount Park C.I.	Scarborough	12
CHEN	BAILIN	New Oriental Int'l College	Scarborough	12
CHEN	FRANCIE	Nepean H.S.	Ottawa	12
CHEN	JASPER	Sir John A. Macdonald C.I.	Scarborough	11
CHEN	MING YUE	Bur Oak S.S.	Markham	12
CHEN	SIYAN	University Hill S.S.	Vancouver	12
CHEN	XINYI	Pinetree S.S.	Coquitlam	12
CHEN	ZHONGQI	Bayview S.S.	Richmond Hill	10
CHENG	JEFFERY	Colonel Gray Sr. H.S	Charlottetown	11
CHENG	RUIZHE	Prince of Wales S.S.	Vancouver	11
COHN	DAVID	The Country Day School	King City	12
CUI	XUTAO	Royal Crown Academic School	North York	12
DIVIC	STEFAN	Riverdale C.I.	Toronto	12
DU	ZHUANGJIN	The Woodlands Sec. School	Mississauga	12
ELDER	GEOFFREY	Bell H.S.	Nepean	12
FANG	YIHUI	Fredericton H.S.	Fredericton	12
FENG	PETER	Marc Garneau C.I.	North York	12
FOLEY	ALEX	Sir John A. Macdonald S.S.	Waterloo	11
FRANCIS	DAVID	University of Toronto Schools	Toronto	12
FULTZ	MATTHEW	Cobequid Educational Centre	Truro	12
GOLDTHORPE	ZACHARIAH	Old Scona Academic H.S.	Edmonton	12
HAN	KAIBING	Glebe Collegiate Institute	Ottawa	11
HE	ZHENGJIANG	St. John's-Ravenscourt School	Winnipeg	11
HESSAMI	ELNAZ	Marc Garneau C.I.	North York	9
HUANG	BRYAN	York Mills C.I.	North York	12
HUANG	TIANQI	Bayview S.S.	Richmond Hill	10
HUANG	YUJIE	Stephen Leacock C.I.	Scarborough	11
ILIASHENKO	ANTON	Champlain Reg. College - St. L	Saint-Lambert	12
JOHNSON	EVAN	St. George's School	Vancouver	11
JOUN	JOO HONG	Burnaby North S.S.	Burnaby	10
KANG	DAVID	Iroquois Ridge H.S.	Oakville	11

Group V/Groupe V   Scores/Notes 76 - 72

KANG	RICHARD	John Ware Jr. H.S.	Calgary	9
KAPUSTIN	NIKITA	Richmond Hill H.S.	Richmond Hill	12
KIM	ANDREW	University of Toronto Schools	Toronto	12
KIM	YOUNG NAM	R.E. Mountain S.S.	Langley	12
KO	JUNGHOON	Vincent Massey S.S.	Windsor	12
KWON	JASON	St. Robert C.H.S.	Thornhill	11
LAI	ELBERT	Waterloo C.I.	Waterloo	11
LAI	RUITAO	Northview Heights S.S.	North York	11
LEE	EEK SEUNG	Robert Bateman S.S.	Abbotsford	11
LEE	JAMES	Semiahmoo S.S.	Surrey	11
LEI	BILL	Elgin Park S.S.	Surrey	12
LEWALL	JOHNATHAN	Queen Elizabeth H.S.	Calgary	12
LI	DAILIN	Don Mills C.I.	North York	11
LI	DANNING	Langstaff S.S.	Richmond Hill	12
LI	JIAKI	Langstaff S.S.	Richmond Hill	12
LI	MINGHAO	Franklin College School	Toronto	12
LI	MOLLY YI WEI	Don Mills C.I.	North York	12
LI	PEIYANG	Pierre Elliott Trudeau H.S.	Markham	12
LI	RICHARD	Western Canada H.S.	Calgary	11
LI	WENZHENG	Columbia Int'l College	Hamilton	12
LIN	ANDREW	University Hill S.S.	Vancouver	9
LIU	CHEN	Markville S.S.	Markham	12
LIU	CHENGJIN	Fort Richmond C.I.	Winnipeg	11
LIU	DAVID	Mississauga S.S.	Mississauga	12
LIU	JINGJING	Monarch Park C.I.	Toronto	12
LIU	STEPHEN	Bayview S.S.	Richmond Hill	11
LIU	WENXUAN	Unionville H.S.	Markham	12
LOO	NOEL	Western Canada H.S.	Calgary	11
LU	WENSI	New Westminster S.S.	New Westminster	12
LU	YU SHEN	L.V. Rogers S.S.	Nelson	11
MA	XURAN	Glenforest S.S.	Mississauga	12
MCNE	MATTHEW	Nepean H.S.	Ottawa	12
MENG	SHUHENG	Franklin College School	Toronto	12
MINGXIANG	CHEN	Alexander Mackenzie H.S.	Richmond Hill	12
MIO	JONATHAN	Bayview S.S.	Richmond Hill	11
PAN	KIMI	Academie Ste. Cecile Int'l	Windsor	12
PENG	JASON	Moscrop S.S.	Burnaby	12
PETERS	JEREMY	Halifax West H.S.	Halifax	12
PURCELL	SEAN	Marc Garneau C.I.	North York	12
QIAN	ZHIWEI	Bond Academy/Bond Int'l Colleg	Scarborough	12
QIANG	ZIHAN	Langstaff S.S.	Richmond Hill	12
QIANG	ZIXIAO	Stouffville D.H.S.	Stouffville	11
QIU	ZIWEI	Kent School	Toronto	12
RAITA	ALEX	Richmond Hill H.S.	Richmond Hill	11
RUSCH	KAI	Aurora H.S.	Aurora	12
SEO	DEOKHWA	Vaughan S.S.	Thornhill	12
SHENG	NICOLE	Unionville H.S.	Markham	12
SHI	CHUYUAN	Trinity College School	Port Hope	12
SHIM	KYUSUNG	Fredericton H.S.	Fredericton	12
SONG	HENRY	Old Scona Academic H.S.	Edmonton	12
SONG	JIE	Columbia Int'l College	Hamilton	12
SONG	PHILLIP	Dundas Valley S.S.	Dundas	12
SONG	YEZI	Royal Crown Academic School	North York	12
SUN	HAIJING	Appleby College	Oakville	12
TAO	JUAN	Ontario International College	Toronto	12

Group V/Groupe V   Scores/Notes 76 - 72

TRINH	ERIK	William Lyon Mackenzie C.I.	North York	12
UPADHYAYA	TWESH	Bear Creek S.S.	Barrie	12
VERKHOVSKAYA	ANNA	Western Canada H.S.	Calgary	11
WANG	ALLAN	Moscrop S.S.	Burnaby	12
WANG	MENGYAN	Bishop Allen Academy	Etobicoke	12
WANG	SHURAN	A.Y. Jackson S.S.	North York	12
WANG	SHUYI	New Westminster S.S.	New Westminster	11
WANG	XINYU	Don Mills C.I.	North York	12
WANG	YUE	Columbia Int'l College	Hamilton	12
WEN	ERIC	Moscrop S.S.	Burnaby	10
WU	RUINING	Mount Douglas S.S.	Victoria	12
WU	WENQI	University Hill S.S.	Vancouver	12
XIAO	SCOTT	Burnaby North S.S.	Burnaby	12
XU	FURUI	Walter Murray C.I.	Saskatoon	12
XU	JUNRAN	Aurora H.S.	Aurora	11
XU	MONICA	Bayview S.S.	Richmond Hill	11
XU	WANLU	King City S.S.	King City	13
YE	MINGFEI	Ontario International College	Toronto	12
YIZHI	ZHOU	Oak Bay S.S.	Victoria	11
YOU	ALEX	Burnaby North S.S.	Burnaby	9
YU	ALLY	Dr. Norman Bethune C.I.	Scarborough	12
YU	SIYUE	Bayview S.S.	Richmond Hill	11
ZENG	MUMIN	Walnut Grove S.S.	Langley	12
ZENG	YIYI	St. Michael's Univ. School	Victoria	11
ZHA NG	CHANG	Canada Fullbright Int'l School	Welland	12
ZHANG	JAMES	Port Moody Sr. S.S.	Port Moody	11
ZHANG	KE COCO	Branksome Hall	Toronto	12
ZHANG	RUBY	University of Toronto Schools	Toronto	12
ZHANG	SUSEN	Fredericton H.S.	Fredericton	12
ZHAO	HANYONG	Clinton Int'l College	Toronto	12
ZHOU	WANYING	Gloucester H.S.	Gloucester	12
ZHU	JIADING	Surrey Christian School (Secon	Surrey	12
ZHU	TONGQI	White Oaks S.S.	Oakville	12
ZHU	TONGYI	White Oaks S.S.	Oakville	12
ZOU	ZHILING	Richmond Hill H.S.	Richmond Hill	12

2015
Euclid Contest/Concours Euclide
Team Honour Roll/Palmarès d'équipes
International

Rank/Rang	School/École	City/Ville	Score/Note
1	Math Trainers Guild of Philippines	Zamboanga City	269
2	Chengdu Shude Senior H.S.	Chengdu	268
3	ICAE	Troy	267
4	Anglo-Chinese School (Independent)	Singapore	261
5	British Columbia Academy	Nanjing	259
5	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	259
7	Jinling H.S.	Nanjiing	258
8	Qingdao Hongguang Foreign Language Coll.	Qingdao Shandong	257
9	H.S. Affiliated to Nanjing Normal Uni.	Nanjing Jiangsu	253
9	NUS H.S. of Mathematics and Science	Singapore	253
11	Hangzhou Foreign Language School	Hangzhou	251
12	High School aff. to Shanghai Jiao Tong Uni	Shanghai	246
13	Victoria Junior College	Singapore	244
14	DaLian Zhongshan Stanford Lang. Train. Sch	DaLian	243
14	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	243
16	Cambridge Int'l Ctr. of Shanghai Normal Ur	Shanghai	241
17	Anglo-Chinese Junior College	Singapore	240
17	Nikan	Tehran	240
19	Shenyang No 2 School	Shenyang	237
20	National Institute of Technology	Beijing	236
20	Shanghai Weiyu H.S	Shanghai	236
20	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	236
23	No.1 M. S. aff. to Central China Normal University	Wuhan	235
24	Taylor's College - Subang Jaya Campus	Subang Jaya Selangor	234
25	Jinan Foreign Language School	Jinan	231
25	The H.S. Affiliated to Renmin Uni. of Chir	Beijing	231
27	Shanghai Guanghua College-Fudan Campus	Shanghai	230
28	Ningbo Foreign Language School	Ningbo	229
29	Shanghai Pinghe School	Shanghai	228
30	SIP Dulwich College United School	Suzhou	227
31	High School att'd to Northeast Normal University	Changchun	226
31	Xi'an Gaoxin No.1 M.S.	Xi'an Shaanxi	226
33	Shenzhen Foreign Language School	Shenzhen	225
34	Wuxi No1 H.S	Wuxi Jiangsu	224
35	U-Link College of Beijing	Beijing	223
36	Chongqing Nankai S. S.	Chongqing	218
36	Riga State Gymnasium No 1	Riga	218
38	Yantai Yew Wah Int'l Education School	Yantai Shangdong	217
39	Qingdao #2 Middle School-Int'l Foundation	Qingdao	215
39	Tianjin Teda Maple Leaf Int'l School	Teda Tianjin	215
41	Nanchang No 2 High School	Nanchang	214
42	Ningbo Xiaoshi H.S.	Ningbo Zhejiang	212
43	Confucius International School Qingdao	Shandong	211
43	Zhejiang Ivy Academy	Hangzhou	211
45	The Pennington School	Pennington	209
46	Methodist College Kuala Lumpur	Brickfields Kuala Lumpur	206
46	Nanhai Int'l Education Center	Foshan	206
48	Guangdong Guangya H.S.	Guangzhou	205
49	Canada Hefei No. 1 S. S. (BC offshore school	Hefei	204
49	Dalian Maple Leaf Int'l School - Girls Car	Dalian Jinshitan	204

2015
Euclid Contest/Concours Euclide
Student Honour Roll/Palmarès d'étudiants
International

Name/Nom		School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I		**Scores/Notes 96 - 91**		
ANG	CLYDE WESLEY	Math Trainers Guild of Philippines	Zamboanga City	10
BHATTACHARYA	ANKAN	ICAE	Troy	10
CHEN	ZHAOMENG		Beijing	11
HAROON	ALI	C.A.A. Model School No:2	Karachi	12
WANG	YITONG	Jinling H.S.	Nanjiing	11
WANG	ZIYAN	Chengdu Shude Senior H.S.	Chengdu	11
Group II/Groupe II		**Scores/Notes 90 - 88**		
CAI	MINGXUAN		Beijing	11
CHEN	MINGQUAN	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	12
CHEN	QIZHAO		Beijing	11
GAO	YUAN	Anglo-Chinese School (Independent)	Singapore	12
GE	DAOT ONG		Beijing	12
HE	YIJUN	Ningbo Foreign Language School	Ningbo	10
LIM TIONG SOON	KELSEY	Math Trainers Guild of Philippines	Zamboanga City	10
PARK	JUNHO	Shanghai American School (West Camp	Shanghai	10
SY	ADRIAN	Math Trainers Guild of Philippines	Zamboanga City	10
TEH	ANZO	Sunway College-Canadian Int'l Mat.	Selangor Darul Ehsan	12
TORRE	VINCE JAN	Math Trainers Guild of Philippines	Zamboanga City	9
YANG	ZIXIAO	Chengdu Shude Senior H.S.	Chengdu	10
ZENG	ZI ANG	No.1 M. S. aff. to Central China No	Wuhan	12
ZHANG	YUEJIA		Shanghai	11
ZHAO	FREDDIE	ICAE	Troy	9
ZHU	YUCHEN	British Columbia Academy	Nanjing	10
Group III/Groupe III		**Scores/Notes 87 - 84**		
ASADIAN	AMIRHOSSEIN	Nikan	Tehran	10
CHEN	JIAXUAN	Wuxi No1 H.S	Wuxi Jiangsu	11
CHEN	ZIHAO	CIE Centre at Shanghai Experimental	Shanghai	11
CHENG	JUNJIE	WHBC of Wuhan Foreign Language Scho	Wuhan	12
CHENG	SHIJIE	Hangzhou Foreign Language School	Hangzhou	11
CHEW XUAN DA	CLARENCE	NUS H.S. of Mathematics and Science	Singapore	10
DAMERACHARLA	BHARGAVI	Excel Junior College	Hyderabad	12
GAO	HANG	Hangzhou Foreign Language School	Hangzhou	11
GUO	HAOWEI		Beijing	11
HU	SHIJIA	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
LI	SHUPENG		Beijing	12
LI	ZELIANG	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
LIN	JINGYING		Shanghai	12
LIU	LIXUAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11
LIU	MENGZHEN	Beijing National Day School	Beijing	9
LIU	SHIQI	NUS H.S. of Mathematics and Science	Singapore	11
LIU	XIAOLING		Beijing	11
LU	HANSON	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
MAMMADOVA	ARZU	Baku European Lyceum	Baku	10
MOAYYED	KIMIA	Professor Hesabi H.S.	Tehran	12
PIRIYATAMWONG	PIRIYAKORN	Triam Udom Suksa School	Bangkok	12
SHAO	WANYAN	Wuxi Big Bridge Academy	Wuxi Jiangsu	12
SHI	WENZE	British Columbia Academy	Nanjing	11
SHI	YIFAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10

Group III/Groupe III   Scores/Notes 87 - 84

SUN	JIANXIONG	Qingdao Hongguang Foreign Language	Qingdao Shandong	12
SUNDARRAJ	SHRIDHAR	Chettinad Vidyashram	Chennai	12
TANG	JUNZHE	Chengdu Shude Senior H.S.	Chengdu	11
TIWARY	AKSHAY		Delhi	12
WU	FARRELL	Math Trainers Guild of Philippines	Zamboanga City	10
WU	SHENYANG	Anglo-Chinese School (Independent)	Singapore	12
XIANG	KAIDI	Cambridge Int'l Ctr. of Shanghai No	Shanghai	11
XIANG	RUIQING	British Columbia Academy	Nanjing	11
XU	GUOSONG	High School aff. to Shanghai Jiao T	Shanghai	11
XU	JINGSHAN	Shenyang No 2 School	Shenyang	12
XUE	ZIMING	Anglo-Chinese School (Independent)	Singapore	11
YAN	JUN	Qingdao Hongguang Foreign Language	Qingdao Shandong	12
ZHANG	CHI	Shanghai Weiyu H.S	Shanghai	11

Group IV/Groupe IV   Scores/Notes 83 - 80

ARDEHALI	MOHAMMADALI	Nikan	Tehran	11
ARORA	AJAY	ICAE	Troy	9
CHEN	LINXIN	Jinan Foreign Language School	Jinan	10
CHEN	SAINAN	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
CHEN	YUXUAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11
CHENG	GUO	SIP Dulwich College United School	Suzhou	12
DINGN	KEXIN	The H.S. Affiliated to Renmin Uni.	Beijing	11
EDWARD	JONATHAN	NUS H.S. of Mathematics and Science	Singapore	11
FUQI	DEQING	Jinling H.S.	Nanjiing	11
GAN LI MENG		Victoria Junior College	Singapore	11
GAO	LUYA	High School aff. to Shanghai Jiao T	Shanghai	12
GOU	JUNBIN	Chengdu Shude Senior H.S.	Chengdu	11
HAN	YUCHEN	Victoria Junior College	Singapore	12
HE	CHUHUI	Qingdao Hongguang Foreign Language	Qingdao Shandong	12
HUANG	BAICHUAN	Shenzhen M.S.	Shenzhen	11
HUANG	LUX IN		Shanghai	12
HUANG	SHUANGYOU	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
JABA	ANDREA	Math Trainers Guild of Philippines	Zamboanga City	10
JIA	JINGJING	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	11
LI	BOJUN	Guangzhou No 47 Middle School	Guangzhou	12
LI	JINKE	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
LI	ZHIXUAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10
LIN	YUXUAN	Anglo-Chinese Junior College	Singapore	12
LIU	HANG	NUS H.S. of Mathematics and Science	Singapore	12
LIU	JIAXIANG		Shanghai	11
LU	SIFAN	Cambridge Int'l Ctr. of Shanghai No	Shanghai	12
LU	YAN	National Institute of Technology	Beijing	12
LYU	RUNHE	Shenzhen M.S.	Shenzhen	10
MENG	YUANQI	High School aff. to Shanghai Jiao T	Shanghai	10
PAN	XINYI	DaLian Zhongshan Stanford Lang. Tra	DaLian	11
PAN	YIYUAN	Taylor's College - Subang Jaya Camp	Subang Jaya Selangor	12
PATUPAT	ALBERT JOHN	Math Trainers Guild of Philippines	Zamboanga City	10
QUE	SHAQUILLE	Math Trainers Guild of Philippines	Zamboanga City	9
RAN	ZIHUAN	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
RONG	YU	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
SONG	XIFENG	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
TAN	TIMOTHY	Anglo-Chinese Junior College	Singapore	12
TAO	SHIYING	Karamay Senior H. S.	Karamay	11
TAO	YUXUAN	DaLian Zhongshan Stanford Lang. Tra	DaLian	11

Group IV/Groupe IV   Scores/Notes 83 - 80

TJANDRA	JESSICA	Victoria Junior College	Singapore	12
WANG	ANZHOU	Victoria Junior College	Singapore	12
WANG	GUOBIN	Chengdu Shude Senior H.S.	Chengdu	11
WANG	MENGQI	Hangzhou Foreign Language School	Hangzhou	11
WANG	MUXING	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	12
WANG	RUI		Shanghai	12
WANG	YUANWEI	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
WU	JIAQI	Anglo-Chinese School (Independent)	Singapore	11
WU	YUMENG	Shenyang No 2 School	Shenyang	12
XING	HENGRUI	Shenzhen M.S.	Shenzhen	11
XIONG	HAORAN	Chengdu Shude Senior H.S.	Chengdu	11
ZHANG	BORONG	Xi'an Gaoxin No.1 M.S.	Xi'an Shaanxi	11
ZHENG	TONG	Chengdu Shude Senior H.S.	Chengdu	12
ZHOU	XUANYU	Hangzhou Foreign Language School	Hangzhou	11
ZHOU	YUDONG	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	11
ZHOU	ZIHAN	Qingdao Hongguang Foreign Language	Qingdao Shandong	10

Group V/Groupe V   Scores/Notes 79 - 76

CAI	MINGYI	Hangzhou Foreign Language School	Hangzhou	11
CHAN	CLIVE	Lexington H. S.	Lexington	11
CHAN	JENSEN	Anglo-Chinese School (Independent)	Singapore	11
CHAN	LI JUAN	Taylor's College - Subang Jaya Camp	Subang Jaya Selangor	12
CHEN	DI	British Columbia Academy	Nanjing	11
CHEN	JENNIFERJOYC	National Institute of Technology	Beijing	12
CHEN	MING YUAN	Hangzhou Foreign Language School	Hangzhou	11
CHEN	XIAO	Chengdu Shude Senior H.S.	Chengdu	11
CHEN	XIAO	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
CHEN	YI	U-Link College of Beijing	Beijing	10
CHEN	YONGYAO	Chengdu Shude Senior H.S.	Chengdu	11
CHEN	YUEEF	Shanghai Guanghua College-Fudan Cam	Shanghai	11
CHI	ZINAN	British Columbia Academy	Nanjing	11
CUI	ZHIHAN	Maple Leaf Int'l School - Zhenjiang	Zhenjiang	12
DING	YUE	British Columbia Academy	Nanjing	11
DUOLIKUN	DANIER	Urumqi Foreign Language School	Urumqi	11
FAN	LIWETN	Ningbo Univ. Z.J.J.C. A-LEVEL Ctr	NINGBO ZHEJIANG	12
FAN	MATTHEW	NUS H.S. of Mathematics and Science	Singapore	10
FANG	SHIHAN		Shanghai	12
FANG	WENFEI	NUS H.S. of Mathematics and Science	Singapore	10
FANG	XINDI		Beijing	12
GENG	QINGXIN	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
HAN	XINYI	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11
HU	XICHEN	Hangzhou Foreign Language School	Hangzhou	11
HUANG	DEXIN	The Affiliated H.S. of South China	Guangzhou Guangdong	10
HUANG	HANRUI	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	11
HUANG	JINGWEI	Chengdu Shude Senior H.S.	Chengdu	13
HUANG	SICHENG	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	11
HUANG	YIFAN	Zhangjiagang Ivy Experimental H.S.	Zhangjiagang	11
JIN	YUMING	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
KEH	SEDRICK	Math Trainers Guild of Philippines	Zamboanga City	10
LEE	JUSTIN	ICAE	Troy	9
LI	SIMING		Beijing	
LI	WANXIN	No.1 M. S. aff. to Central China No	Wuhan	12
LI	XINDA	High School att'd to Northeast Norm	Changchun	12
LI	YANJIA		Shanghai	11

Group V/Groupe V   Scores/Notes 79 - 76

LI	ZHEN		Beijing	12
LIN	LUOZHIYU	Anglo-Chinese School (Independent)	Singapore	10
LIN	ZI KHANG	Sunway College-Canadian Int'l Mat.	Selangor Darul Ehsan	12
LING	HU HAO	Anglo-Chinese Junior College	Singapore	11
LIU	CUNHAO	Chengdu Shude Senior H.S.	Chengdu	11
LIU	DANYI	Guiyang No.1 H.S.	Guiyang Guizhou	12
LIU	JIANIAN		Beijing	11
LIU	KAIGE	The H.S. Affiliated to Renmin Uni.	Beijing	11
LIU	YILE	Chongqing Nankai S. S.	Chongqing	10
LIU	ZIYUAN		Shanghai	12
MA	WENYUAN	Jinling H.S.	Nanjiing	11
MA	YUXIN	Hangzhou Foreign Language School	Hangzhou	11
MATHIALAGAN	SURYA	NUS H.S. of Mathematics and Science	Singapore	12
MODI	NEEL	ICAE	Troy	9
NAM	JUYUN	Shanghai American School (West Camp	Shanghai	12
OU	TINGTING	Shenzhen M.S.	Shenzhen	11
PARK	JIN HWAN	Yantai Yew Wah Int'l Education Scho	Yantai Shangdong	11
PENG	CHENCHEN	Shanghai Weiyu H.S	Shanghai	11
POPOVS	ALEKSEJS	Riga State Gymnasium No 1	Riga	11
QI	RUIXIANG	Beijing National Day School	Beijing	11
RANGANATHAN	ARVIND K	Ecole Mondiale World School	Mumbai	11
RAO	ZHUN	Chengdu Shude Senior H.S.	Chengdu	11
REN	YUHUA	NUS H.S. of Mathematics and Science	Singapore	12
SHAHANE	KUVAM	ICAE	Troy	10
SHAN	BINGZHAO		Beijing	13
SHIYI	LIU	Wuhan Maple Leaf Int'l School	Wuhan Hubei	12
SHVARTSZAYD	MATVEY	English Language School No7 with	Perm	10
SONG	YILIN	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
SUN	RUIJIA	Victoria Junior College	Singapore	11
SUN	SHUANG	DaLian Zhongshan Stanford Lang. Tra	DaLian	11
SVOBODA	IGOR	Gymnasium No.2	Odesa	12
TANG	FENGMIN	Hangzhou Foreign Language School	Hangzhou	11
TAO	JUN YU	National Institute of Technology	Beijing	12
TAO	ZIXI	Qingdao Hongguang Foreign Language	Qingdao Shandong	12
VU HIEU	NGUYEN	Anglo-Chinese School (Independent)	Singapore	10
WANG	HAOYUE	Chengdu Shude Senior H.S.	Chengdu	13
WANG	JIANZHI	Nanchang No 2 High School	Nanchang	10
WANG	JIREN	Hangzhou Foreign Language School	Hangzhou	11
WANG	KUNLIN		Beijing	12
WANG	XINJIE	DaLian Zhongshan Stanford Lang. Tra	DaLian	11
WANG	ZHE		Beijing	11
WEI	TIANXIAO	Beijing National Day School	Beijing	10
WENG	JUE	Shanghai Pinghe School	Shanghai	10
WENG	YUCHENG	Hangzhou Foreign Language School	Hangzhou	11
WU	WENXI		Beijing	12
XI	HAOHANG	Tsinghua Int'l School	Beijing	12
XIE	CHUNYANG	British Columbia Academy	Nanjing	11
XU	SHUNING	Jinan Foreign Language School	Jinan	11
XU	YUAN	Shanghai Guanghua College-Fudan Cam	Shanghai	11
YANG	QIAOYU	Shenzhen Foreign Language School	Shenzhen	11
YANG	TIANYANG	Tianjin Teda Maple Leaf Int'l Schoo	Teda Tianjin	12
YANG	YUNFAN		Shanghai	12
YAO	RUIYANG	WHBC of Wuhan Foreign Lang. Sch.	Wuhan Hubei	10
YAO	YUE	British Columbia Academy	Nanjing	11
YIN	ZIXIN		Shanghai	11

Group V/Groupe V   Scores/Notes 79 - 76

YOU	TIANYU		Beijing	12
YU	QINYING	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
YU	ZHUO		Beijing	12
YU	ZIJUN	Qingdao Hongguang Foreign Language	Qingdao Shandong	11
YUAN	HAOSEN	DaLian Zhongshan Stanford Lang. Tra	DaLian	11
YUE	ZUO	Hangzhou Foreign Language School	Hangzhou	11
ZENG	BINGSONG	Chengdu Shude Senior H.S.	Chengdu	11
ZENG	XIANGYUAN		Beijing	12
ZENG	YIJIE		Shanghai	11
ZHANG	DANYANG	Victoria Junior College	Singapore	12
ZHANG	HONGYI		Shanghai	11
ZHANG	LIJIA		Shanghai	11
ZHANG	PENGCHENG	Shenzhen M.S.	Shenzhen	10
ZHAO	HONGXIANG	ICAE	Troy	9
ZHAO	XUNRUI	Beijing National Day School	Beijing	11
ZHENG	BRYAN	Confucius International School Qing	Shandong	10
ZHOU	LANXIANG	Chengdu Shude Senior H.S.	Chengdu	11
ZHOU	ZIHAN	High School aff. to Shanghai Jiao T	Shanghai	11
ZHU	YIJUN		Shanghai	11

**UNOFFICIAL STUDENTS AT SCHOOLS IN CANADA /
ÉLÈVES NON-OFFICIEL DANS LES ÉCOLES AU CANADA**

SCORES / NOTES 100 - 80

Name/Nom		School/École	Location/Endroit
AUBEKEROV	DANIYAR	Rutherford Private School	Concord, ON
CHEN	YU	London Int'l Academy	London, ON
CHEN	YUE	Rockway Mennonite C.I.	Kitchener, ON
DAO	SHUO	Earl Haig S.S.	North York, ON
JIA	KEVIN	Lisgar C.I.	Ottawa, ON
QIAN	WILLIAM	Bayview S.S.	Richmond Hill, ON
RUAN	XINGCHI	Bernice MacNaughton H.S.	Moncton, NB
WANG	YESHENG	Bayview S.S.	Richmond Hill, ON
ZHANG	YUXUAN	Canada Int'l College	Scarborough, ON
ZHANG	ZHENGMIN	Ontario International College	Toronto, ON
ZHU	LI	Metropolitan Preparatory Academy	North York ON