

This document contains the results of the sixth Canadian Open Mathematics Challenge. The Open is a collaborative activity of the Canadian Mathematical Society and the Centre for Education in Mathematics and Computing at the University of Waterloo. Many people consider competitions as serving the primary goal of identifying bright students. Both of these sponsoring bodies, while accepting this view, believe that the more significant reason for holding competitions is to challenge students with an interesting set of mathematics problems which stimulates an interest in mathematics. It is our intent that teachers will use these problems in their classroom and get the same sense of joy at having their students solve these problems that we had in creating them. At the same time if the problems are not used directly in the classroom we hope that they will be used in discussion and in trying to extend mathematical knowledge and know how. It gives us great pleasure when we hear that students have enjoyed working on the problems and have been successful in solving some of them. We do not expect students to be able to solve all the problems but rather our expectation is that students will actually work at the problems and have fun at doing them. They should also check the CEMC Website to see complete solutions when they are finished their work.

This paper was specifically designed to encourage participation for students from all grades. We were gratified to see that a large number of younger students in Grades 9 and 10 wrote the paper. Questions A1 through A4 were specifically structured for students in these grades. The first two questions in part B were also designed to be accessible to a majority of students. B1 and B2 were also designed specifically to encourage students to write out systematic solutions and to proceed in an orderly and logical fashion. Judging from the results we think that these goals were achieved. In the rest of part A, the sequence question (A6) got a very good response as did question A7. Question A6 relied only upon some elementary calculation with fractions and pattern recognition. A7 involved the solution of a system of equations and students were successful at solving them and doing the analysis. A8 was a question that a lot of students attempted; a number of students did very well on the question. In part B, B3(a) was accessible to most students. Almost every student who tried this problem got it right. In the B3(b) there was a wide variety of neat solutions to the problem. We were pleased with the results on this question. The final question in part B was quite difficult and could be done in a wide variety of ways. There were not a lot of students who handled this question successfully. However, students should have another try at this question now that the contest is finished. It is a fun question to work out with Euclidean geometry and has some good insights along the way.

The number of registered competitors was 4104 with 3544 official candidates. Of these, we had 1492 students who achieved a score of 50 or higher. This was a very good result for a competition of this type. The committee responsible for constructing this contest would like to thank those teachers who assist their students in contest preparation and who give willingly of their time and energy in school and classroom activities. Your efforts are very much appreciated.

Peter Crippin
Director, The Centre for Education in Mathematics and Computing
Chair, COMC

Ian VanderBurgh
Problems Chair
Canadian Mathematics Competition

Le présent document contient les résultats du sixième Défi ouvert canadien de mathématiques (DOCM) organisé par la Société canadienne de mathématiques et le Centre d'éducation en mathématiques et en informatique de l'Université de Waterloo. Nombreux sont ceux et celles qui perçoivent ces concours comme des épreuves de sélection des élèves les plus brillants. Même si les deux organismes parrains approuvent ce point de vue, ils croient toutefois qu'ils servent avant tout à lancer aux élèves un défi mathématique où ils doivent résoudre des ensembles de problèmes intéressants et à stimuler leur intérêt pour cette matière. Nous espérons que le personnel enseignant intégrera ces problèmes à leurs activités pédagogiques et éprouveront le même sentiment de satisfaction à voir progresser leurs élèves que celui qui a motivé les créateurs du concours. Si ce n'est pas le cas, nous espérons qu'ils feront l'objet de discussions destinées à approfondir les connaissances et le savoir-faire mathématiques. Nous nous réjouissons toujours d'apprendre que des élèves ont éprouvé un réel plaisir à tenter de résoudre ces problèmes et qu'ils y sont finalement parvenus. Nous ne nous attendons pas à ce que les élèves réussissent à résoudre tous les problèmes donnés mais bien qu'ils y travaillent tout en ayant du plaisir à tenter de trouver la solution. Nous les invitons ainsi à consulter le site Internet du Concours canadien de mathématiques où ils trouveront des solutions complètes aux questions.

Le concours a été conçu pour susciter la participation des élèves de tous les niveaux. C'est avec bonheur que nous avons constaté le grand nombre d'élèves plus jeunes de la 9^e et de la 10^e année (secondaire 3 et 4 au Québec) qui y ont participé. Les questions A1 à A4 leur étaient d'ailleurs tout particulièrement destinées. Les questions B1 et B2 étaient aussi accessibles à la plupart des élèves. Pour les résoudre, les participants ont dû procéder de façon méthodique et logique, ce qu'ils ont fait si on en juge par les résultats obtenus. Les élèves ont bien analysé et réussi la question A6 (question à développement) qui nécessitait des connaissances élémentaires en calcul fractionnaire et en reconnaissance des formes de même que la question A7 qui requerrait la résolution d'un système d'équations. De nombreux élèves ont tenté de résoudre la question A8; seulement quelques-uns ont relevé le défi. La plupart des élèves étaient en mesure de résoudre la question B3(a) et la quasi-totalité de ceux qui l'ont fait l'ont résolue. Les élèves ont répondu de façon créative à la question B3(b) qui n'a pas posé de problème. La dernière question de la section B comportait un niveau élevé de difficulté (et plusieurs réponses possibles) que peu d'élèves sont arrivés à surmonter. Le concours étant terminé, nous encourageons les élèves à refaire ce problème : ils pourront s'amuser à tester leurs connaissances de la géométrie euclidienne tout en découvrant des approches de résolution intéressantes.

Le nombre de participants au concours s'élevait à 4104 dont 3544 candidats officiels; de ce nombre 1492 ont obtenu un score égal ou supérieur à 50, ce qui est excellent pour ce genre de concours. Le comité chargé de l'élaboration du concours tient à remercier le personnel enseignant qui a investi son temps et son énergie à préparer les élèves, notamment par la tenue d'activités pédagogiques et scolaires. Sachez que nous apprécions cet engagement essentiel au succès du concours.

Peter Crippin
Directeur, Centre d'éducation en mathématiques et en informatique
Président, DOCM

Ian VanderBurgh
Président, section des problèmes
Concours canadien de mathématiques

Outstanding performance in the Canadian Open Mathematics Challenge (COMC) is recognized in three ways. First, at the discretion of the COMC Committee, Provincial Champions are named, each of whom receives a plaque, and the school of each Provincial Champion also receives a plaque. Second, at the Committee's discretion, a number of high-ranking students in each jurisdiction are awarded Gold Medals. Subscriptions to the Canadian Mathematical Society's internationally recognized problem solving journal "CRUX with MAYHEM" are awarded to the schools of the gold medal winning students. Third, approximately the top fifty students in the COMC will be invited to write the Canadian Mathematical Olympiad (CMO) which will be held on March 27, 2002.

Since outstanding performance in the CMO is one of the major factors in the selection of Canada's team to the annual International Mathematical Olympiad, the COMC provides the important first round in this selection process. Now in its sixth year, the COMC simultaneously provides a broadly accessible fall term activity that is a genuine stimulus to the mathematics programs in Canadian schools.

The Canadian Mathematical Society is privileged to cooperate with the Centre for Education in Mathematics and Computing and is indebted to the Centre and its staff for their invaluable support for the COMC. The Society and the COMC Committee wish to thank their colleagues, including many high school teachers, whose assistance is crucial to the success of this important national competition.

Dr. Jonathan Borwein
Canadian Mathematical Society President

Les résultats exceptionnels obtenus lors du Défi ouvert canadien de mathématiques (DOCM) sont soulignés de trois façons. Tout d'abord, à la discrétion du DOCM, les champions provinciaux sont nommés et reçoivent chacun une plaque, tout comme leur école. En second lieu, et toujours à la discrétion du Comité, les élèves de chaque région qui ont obtenu des résultats élevés se voient remettre une médaille d'or. Les écoles auxquelles sont inscrits les médaillés d'or reçoivent des abonnements gratuits au journal de résolution de problèmes CRUX with MAYHEM de la SMC. Enfin, la cinquantaine d'élèves qui ont obtenus les meilleurs résultats au Défi sont invités à participer à l'Olympiade mathématique du Canada (OMC), qui aura lieu cette année le 27 mars 2002.

Comme les résultats à l'OMC sont l'un des principaux critères de sélection des membres de l'équipe qui représentera le Canada à l'Olympiade internationale de mathématiques (OIM), le DOCM constitue une première étape importante du processus de sélection. Lancé il y a sixième ans, le DOCM est en outre une activité automnale ouverte à tous qui stimule grandement les élèves du pays.

La SMC est fière de collaborer avec le Centre d'éducation en mathématiques et en informatique, et est redevable au Centre et à son personnel de leur soutien inestimable au DOCM. La Société et le Comité du DOCM souhaitent remercier leurs collègues, notamment les nombreux enseignants du secondaire, dont l'aide est essentielle à la réussite de cet important concours national.

Jonathan Borwein
Président de la Société mathématique du Canada

Provincial Gold Medal Plaque Winners Gagnants de la Médaille d'or pour la province

Name / Nom School / École Location / Endroit

Newfoundland Gold Medallist / Médailleurs d'or pour Terre-Neuve

Nithum	Thain	Prince of Wales C.I.	St. John's, NF
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Prince Edward Island Gold Medallist / Médailleurs d'or pour Le-Du-Prince-Édouard

Michael	Gauthier	Charlottetown Rural H.S.	Charlottetown, PE
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Nova Scotia Gold Medallist / Médailleurs d'or pour la Nouvelle-Écosse

Timothy	Kusalik	Queen Elizabeth H.S.	Halifax, NS
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New Brunswick Gold Medallist / Médailleurs d'or pour le Nouveau-Brunswick

Yihao	Shen	Saint John H.S.	Saint John, NB
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Quebec Gold Medallists / Médailleurs d'or pour le Québec

Leonid	Chindelevitch	Marianopolis College	Montreal, QC
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Ontario Gold Medallists / Médailleurs d'or pour l'Ontario

Ryan	Holm	St. Ignatius H.S.	Thunder Bay, ON	- Ontario North
Chris	Francis	Moirs S.S.	Belleville, ON	- Ontario East
Tianyi	Han	Woburn C.I.	Toronto, ON	- Metro
Henry	Pan	East York C.I.	Toronto, ON	- Metro
Xin	Zhang	Woburn C.I.	Toronto, ON	- Metro
Brian	Choi	Markville S.S.	Markham, ON	- Ontario Central
Xiaoxuan	Jin	Vincent Massey S.S.	Windsor, ON	- Ontario West

Manitoba Gold Medallists / Médailleurs d'or pour le Manitoba

Michael	Hirsch	St. John's-Ravenscourt School	Winnipeg, MB
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Saskatchewan Gold Medallist / Médailleurs d'or pour la Saskatchewan

Mark	Maxson	Evan Hardy C.I.	Saskatoon, SK
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Alberta Gold Medallist / Médailleurs d'or pour l'Alberta

Robert	Barrington Leigh	Old Scona Academic H.S.	Edmonton, AB
Charles	Li	Western Canada H.S.	Calgary, AB

British Columbia Gold Medallist / Médailleurs d'or pour la Colombie-Britannique

Wei Lung	Tseng	Yale S.S.	Abbotsford, BC
Samuel	Wong	University Hill S.S.	Vancouver, BC

In addition to the gold medal and plaques awarded to provincial champions, up to nine medals are given in each region, at the discretion of the committee, to students who have achieved a significant score.

En plus des plaques de médaille d'or décernées aux champions provinciaux, un maximum de neuf médailles sont remises dans chacune des régions, à la discrétion du comité organisateur, aux étudiants qui ont obtenu des résultats satisfaisants.

Name / Nom		School / École	Location / Endroit
Newfoundland Medallists / Médailleurs Terre-Neuve			
Andrew	Critch	Clarenville Integrated H.S.	Clarenville, NF
Neil	McKay	Bishops College	St. John's, NF
Natalie	Payne	Pasadena Academy	Pasadena, NF
Shauna	Gammon	Prince of Wales C.I.	St. John's, NF
Nova Scotia Medallists / Médailleurs Nouvelle-Ecosse			
Micah	McCurdy	Saint Patrick's H.S.	Halifax, NS
Xin	Ma	King's-Edgehill School	Windsor, NS
Timothy	Caley	The Halifax Grammar School	Halifax, NS
Yuan	Gao	Queen Elizabeth H.S.	Halifax, NS
Rakesh	Gupta	The Halifax Grammar School	Halifax, NS
Benjamin	Turnbull	The Halifax Grammar School	Halifax, NS
Tynan	Stevens	Queen Elizabeth H.S.	Halifax, NS
Alexander	Jiang	The Halifax Grammar School	Halifax, NS
New Brunswick Medallists / Médailleurs Nouveau-Brunswick			
Jason	Hornosty	Fredericton H.S.	Fredericton, NB
Anorei	Nechita	Saint John H.S.	Saint John, NB
Emmanuel	Elmajian	Kennebecasis Valley H.S.	Rothsay, NB
Ying	Tang	Saint John H.S.	Saint John, NB
Jordan	Pinder	Miramichi Valley H.S.	Miramichi, NB
Boyang	Yu	Saint John H.S.	Saint John, NB
Andrew	Read	Fredericton H.S.	Fredericton, NB
Andy	Hong	St. Stephen High School	Old Ridge, NB
Imran	Zaidi	Saint John H.S.	Saint John, NB
Quebec Medallists / Médailleurs Québec			
Zhunping	Xue	Marianopolis College	Montreal, QC
Shih En	Lu	Marianopolis College	Montreal, QC
Jerome	Grand Maison	Cegep De La Gaspésie	Gaspé, QC
Martin	Bisson	Cegep Edouard-Montpetit	Longueuil, QC
Simon	Caron Huot	Cegep De Rivière-Du-Loup	Rivière-Du-Loup, QC
Eric	Dallal	Marianopolis College	Montreal, QC
Mathieu	Guay Paquet	Secondaire Antoine Brossard	Brossard, QC
Nan	Lin	Lower Canada College	Montreal, QC
Robbie	Campbell	Selwyn House School	Montreal, QC
Paul	Robichaud	Coll. Andre Grasset	Montreal, QC
Eric	Zimanyi	Marianopolis College	Montreal, QC
Ontario North Medallists / Médailleurs Ontario-Nord			
Si	Xie	Lockerby Composite School	Sudbury, ON
Carrie	Chan	Lo-Ellen Park S.S.	Sudbury, ON
Andrew	Bignell	Sir James Dunn C.&V.S.	Sault Ste. Marie, ON
David	Jones	St. Joseph's H.S.	Barrie, ON
Eric	Zadow	Lo-Ellen Park S.S.	Sudbury, ON
Kevin	Jurcik	St. Ignatius H.S.	Thunder Bay, ON
Xiaohua	Guo	Lockerby Composite School	Sudbury, ON

Ontario East Medallists / Médailés Ontario-Est

Francis	Chung	Lisgar C.I.	Ottawa, ON
Vijay	Narasimhan	Brookfield H.S.	Ottawa, ON
James	Schofield	St. Matthew H.S.	Orleans, ON
Darryl	Tam	St. Pius X H.S.	Ottawa, ON
Yuanbin	Tang	Lisgar C.I.	Ottawa, ON
Gregory	Winston	O'Neill C.V.I.	Oshawa, ON
Cory	Fletcher	Colonel By S.S.	Gloucester, ON
Ilinca	Popovici	Lisgar C.I.	Ottawa, ON
David	Belanger	Nicholson Catholic College	Belleville, ON

Ontario Metro Medallists / Médailés Ontario-Metro

Kevin	Chung	Earl Haig S.S.	North York, ON
Jacob	Tsimmerman	University of Toronto Schools	Toronto, ON
Songhao	Li	L'Amoreaux C.I.	Agincourt, ON
Yang	Yang	Don Mills C.I.	Don Mills, ON
Dongbo	Yu	Don Mills C.I.	Don Mills, ON
Avery	Owen	Don Mills C.I.	Don Mills, ON
Kevin	Choi	Crescent School	Willowdale, ON
Mark	Daniels	Comm. Hebrew Academy of Toronto	Toronto, ON
Oleg	Ivrii	Don Mills C.I.	Don Mills, ON
Vincent	Leung	Upper Canada College	Toronto, ON
Roger	Mong	Don Mills C.I.	Don Mills, ON
Christopher	Tam	Upper Canada College	Toronto, ON
Yves	Wang	Northern S.S.	Toronto, ON
Chris	Woo	Crescent School	Willowdale, ON
Kevin	Yip	Don Mills C.I.	Don Mills, ON

Ontario Central Medallists / Médailés Ontario-Central

Anjie	Zhou	Westdale S.S.	Hamilton, ON
Wendy	Chu	Unionville H.S.	Unionville, ON
David	Shirokoff	Welland Centennial S.S.	Welland, ON
Janet	Yip	Milliken Mills H.S.	Unionville, ON
Jay	Zhong	John Fraser S.S.	Mississauga, ON
Yu	Zhu	Clarkson S.S.	Mississauga, ON
Marek	Janicki	St. Mary's C.S.S.	Hamilton, ON
Xiao	Jin	Milliken Mills H.S.	Unionville, ON
Patrick	Kim	Vaughan S.S.	Thornhill, ON
Fanyi	Meng	St. Elizabeth C.H.S.	Thornhill, ON
Kevin	Ng	Unionville H.S.	Unionville, ON
James	Rupke	Toronto Dist. Christian H.S.	Woodbridge, ON
Frederick	Tung	St. Francis Xavier C.H.S.	Mississauga, ON

Ontario West Medallists / Médailés Ontario-Ouest

Dapeng	Zhao	Vincent Massey S.S.	Windsor, ON
Ralph	Furmaniak		London, ON
Yin	Ren	Vincent Massey S.S.	Windsor, ON
Feng	Tian	Vincent Massey S.S.	Windsor, ON
Robert	Biswas	Vincent Massey S.S.	Windsor, ON
Fan	Feng	Vincent Massey S.S.	Windsor, ON
Mike	Liu	Waterloo C.I.	Waterloo, ON
Jiafei	Niu	Waterloo C.I.	Waterloo, ON
Leonid	Tchourakov	Grand River C.I.	Kitchener, ON
Zhongying	Zhou	Vincent Massey S.S.	Windsor, ON

Manitoba Medallists / Médailés Manitoba

Rowan	Dorin	St. John's-Ravenscourt School	Winnipeg, MB
Steven	Promislow	St. John's-Ravenscourt School	Winnipeg, MB
Daniel	Froese	River East C.I.	Winnipeg, MB
Edmund	Ong	St. John's-Ravenscourt School	Winnipeg, MB
Adam	Bookatz	Vincent Massey H.S.	Brandon, MB
Joel	Peters Fransen	Kelvin H.S.	Winnipeg, MB
Stefan	Buller	River East C.I.	Winnipeg, MB
Chi	Liao	St. John's-Ravenscourt School	Winnipeg, MB
Michael	Shaw	Silver Heights C.I.	Winnipeg, MB

Saskatchewan Medallists / Médailés Saskatchewan

Logan	Hoehn	Mount Royal C.I.	Saskatoon, SK
Russell	Webb	Campbell C.I.	Regina, SK
Mike	Podiluk	Holy Cross H.S.	Saskatoon, SK
Jordan	Wan	Aden Bowman C.I.	Saskatoon, SK
Byron	Calver	Evan Hardy C.I.	Saskatoon, SK
Joel	Schroeder	Evan Hardy C.I.	Saskatoon, SK
Si	Zhang	Aden Bowman C.I.	Saskatoon, SK
William	Truong	Campbell C.I.	Regina, SK

Alberta Medallists / Médailés Alberta

Sumudu	Fernando	Harry Ainlay Comp. H.S.	Edmonton, AB
Alvin	Tan	McNally Comp. H.S.	Edmonton, AB
Peter	Du	Sir Winston Churchill H.S.	Calgary, AB
Alex	Fink	Queen Elizabeth H.S.	Calgary, AB
Jia	Hu	Harry Ainlay Comp. H.S.	Edmonton, AB
David	Lee	Western Canada H.S.	Calgary, AB
Nathanael	Wu	Western Canada H.S.	Calgary, AB
Sonny	Yue	Queen Elizabeth H.S.	Calgary, AB
Heather	Buckley	Western Canada H.S.	Calgary, AB

British Columbia Medallists / Médailés Colombie-Britannique

Cornwall	Lau	David Thompson S.S.	Vancouver, BC
Alex	Shyr	VSB/UBC Transition Program	Vancouver, BC
Angela	Lin	Sir Winston Churchill S.S.	Vancouver, BC
Tiffany	Chao	Sir Winston Churchill S.S.	Vancouver, BC
Paul	Cheng	West Vancouver S.S.	West Vancouver, BC
Yichuan	Liu	University Hill S.S.	Vancouver, BC
Sharon	Shao	Eric Hamber S.S.	Vancouver, BC
Mason	Du	David Thompson S.S.	Vancouver, BC
Marina	Hu	Burnaby South S.S.	Burnaby, BC
Bernice	Lee	Burnaby South S.S.	Burnaby, BC

Students are listed in alphabetical order within each group
 Dans chaque groupe, les élèves sont nommés en ordre alphabétiques

Name / Nom	School / École	Location / Endroit
Group 1 Scores / Notes 80		
Leonid Chindelevitch	Marianopolis College	Montreal, QC
Brian Choi	Markville S.S.	Markham, ON
Tianyi Han	Woburn C.I.	Toronto, ON
Xiaoxuan Jin	Vincent Massey S.S.	Windsor, ON
Henry Pan	East York C.I.	Toronto, ON
Wei Lung Tseng	Yale S.S.	Abbotsford, BC
Samuel Wong	University Hill S.S.	Vancouver, BC
Xin Zhang	Woburn C.I.	Toronto, ON
Group 2 Scores / Notes 77 - 79		
Kevin Chung	Earl Haig S.S.	North York, ON
Ralph Furmaniak		London, ON
Ryan Holm	St. Ignatius H.S.	Thunder Bay, ON
Cornwall Lau	David Thompson S.S.	Vancouver, BC
Songhao Li	L'Amoreaux C.I.	Agincourt, ON
Angela Lin	Sir Winston Churchill S.S.	Vancouver, BC
Yin Ren	Vincent Massey S.S.	Windsor, ON
Alex Shyr	VSB/UBC Transition Program	Vancouver, BC
Jacob Tsimmerman	University of Toronto Schools	Toronto, ON
Yang Yang	Don Mills C.I.	Don Mills, ON
Dongbo Yu	Don Mills C.I.	Don Mills, ON
Dapeng Zhao	Vincent Massey S.S.	Windsor, ON
Group 3 Scores / Notes 74 - 76		
Robert Biswas	Vincent Massey S.S.	Windsor, ON
Tiffany Chao	Sir Winston Churchill S.S.	Vancouver, BC
Paul Cheng	West Vancouver S.S.	West Vancouver, BC
Kevin Choi	Crescent School	Willowdale, ON
Mark Daniels	Comm. Hebrew Academy of Toronto	Toronto, ON
Fan Feng	Vincent Massey S.S.	Windsor, ON
Oleg Ivrii	Don Mills C.I.	Don Mills, ON
Timothy Kusalik	Queen Elizabeth H.S.	Halifax, NS
Vincent Leung	Upper Canada College	Toronto, ON
Yichuan Liu	University Hill S.S.	Vancouver, BC
Mike Liu	Waterloo C.I.	Waterloo, ON
Shih En Lu	Marianopolis College	Montreal, QC
Roger Mong	Don Mills C.I.	Don Mills, ON
Jiafei Niu	Waterloo C.I.	Waterloo, ON
Avery Owen	Don Mills C.I.	Don Mills, ON
Sharon Shao	Eric Hamber S.S.	Vancouver, BC
Christopher Tam	Upper Canada College	Toronto, ON
Leonid Tchourakov	Grand River C.I.	Kitchener, ON
Feng Tian	Vincent Massey S.S.	Windsor, ON
Yves Wang	Northern S.S.	Toronto, ON
Chris Woo	Crescent School	Willowdale, ON
Zhunping Xue	Marianopolis College	Montreal, QC
Kevin Yip	Don Mills C.I.	Don Mills, ON
Anjie Zhou	Westdale S.S.	Hamilton, ON
Zhongying Zhou	Vincent Massey S.S.	Windsor, ON

Name / Nom		School / École	Location / Endroit
Group 4 Scores / Notes 71 - 72			
Ron	Appel	Earl Haig S.S.	North York, ON
Robert	Barrington Leigh	Old Scona Academic H.S.	Edmonton, AB
Olena	Bormashenko	Don Mills C.I.	Don Mills, ON
Maximilian	Butler		London, ON
Colin	Chan	University of Toronto Schools	Toronto, ON
Dmitry	Chechik	William Lyon Mackenzie C.I.	Toronto, ON
Maurice	Cheung	Albert Campbell C.I.	Scarborough, ON
Stephen	Choy	Upper Canada College	Toronto, ON
Theodore	Christakis	Upper Canada College	Toronto, ON
Wendy	Chu	Unionville H.S.	Unionville, ON
Rowan	Dorin	St. John's-Ravenscourt School	Winnipeg, MB
Mason	Du	David Thompson S.S.	Vancouver, BC
Sumudu	Fernando	Harry Ainlay Comp. H.S.	Edmonton, AB
Duncan	Findlay	Upper Canada College	Toronto, ON
Chris	Francis	Moir S.S.	Belleville, ON
Aleksander	Freger	Upper Canada College	Toronto, ON
Garry	Goldstein	William Lyon Mackenzie C.I.	Toronto, ON
Jerome	Grand Maison	Cegep De La Gaspésie	Gaspe, QC
Michael	Hirsch	St. John's-Ravenscourt School	Winnipeg, MB
Jason	Hornosty	Fredericton H.S.	Fredericton, NB
Marina	Hu	Burnaby South S.S.	Burnaby, BC
James	Huang	University of Toronto Schools	Toronto, ON
Marek	Janicki	St. Mary's C.S.S.	Hamilton, ON
Xiao	Jin	Milliken Mills H.S.	Unionville, ON
Patrick	Kim	Vaughan S.S.	Thornhill, ON
Pawel	Kosicki	Vincent Massey S.S.	Windsor, ON
Janos	Kramar	University of Toronto Schools	Toronto, ON
Matthew	Lau	Woburn C.I.	Toronto, ON
Bernice	Lee	Burnaby South S.S.	Burnaby, BC
Hyon	Lee	Vincent Massey S.S.	Windsor, ON
Lik Hang	Lee	David Thompson S.S.	Vancouver, BC
Eric	Leung	Alpha S.S.	Burnaby, BC
Benjamin	Leung	William Lyon Mackenzie C.I.	Toronto, ON
Charles	Li	Western Canada H.S.	Calgary, AB
David	Lin	Earl Haig S.S.	North York, ON
Jason	Liu	Semiahmoo S.S.S.	Surrey, BC
Ivan	Lopin	Waterloo C.I.	Waterloo, ON
Rui	Ma	Vincent Massey S.S.	Windsor, ON
Mao	Mao		London, ON
Micah	McCurdy	Saint Patrick's H.S.	Halifax, NS
Fanyi	Meng	St. Elizabeth C.H.S.	Thornhill, ON
Amitava	Mukhopadhyay	Vincent Massey S.S.	Windsor, ON
Kevin	Ng	Unionville H.S.	Unionville, ON
Sanjay	Patel	University of Toronto Schools	Toronto, ON
Seyedalireza	Rabi	Earl Haig S.S.	North York, ON
Evan	Roberts	University of Toronto Schools	Toronto, ON
James	Rupke	Toronto Dist. Christian H.S.	Woodbridge, ON
Mark	Salzman	Upper Canada College	Toronto, ON
Yihao	Shen	Saint John H.S.	Saint John, NB
Chen	Shen	Georges Vanier S.S.	Toronto, ON
David	Shirokoff	Welland Centennial S.S.	Welland, ON
Alvin	Tan	Mcnally Comp. H.S.	Edmonton, AB

Name / Nom

Nithum Thain
 Frederick Tung
 Pei Wang
 Yifei Wang
 Andrew Qian Wang
 James Wei
 Anthony Xu
 Janet Yip
 Liming Yu
 Yin Zhao
 Jay Zhong
 Yu Zhu

School / École

Prince Of Wales C.I.
 St. Francis Xavier C.H.S.
 Sir John A. Macdonald C.I.
 Vincent Massey S.S.
 Earl Haig S.S.
 George S. Henry Academy
 Woburn C.I.
 Milliken Mills H.S.
 Georges Vanier S.S.
 Vincent Massey S.S.
 John Fraser S.S.
 Clarkson S.S.

Location / Endroit

St. John's, NF
 Mississauga, ON
 Agincourt, ON
 Windsor, ON
 North York, ON
 North York, ON
 Toronto, ON
 Unionville, ON
 Toronto, ON
 Windsor, ON
 Mississauga, ON
 Mississauga, ON

Group 5 Scores / Notes 66 - 70

Lucio Amato
 Chani Armitage
 Andrew Arnold
 Anthea Au
 Jacek Augustyniak
 Omid Bashir
 Pouya Bastani
 David Belanger
 Martin Bisson
 Heather Buckley
 David Bulger
 Robby Burko
 Timothy Caley
 Robbie Campbell
 Simon Caron Huot
 Glenn Chan
 Carrie Chan
 Audrey Chan
 Janice Chan
 Liz Chang
 Xiao Bei Chen
 Vincent Chen
 Leo Cheng
 Edward Cheung
 Amanda Chi
 Albert Choi
 Terence Chung
 Francis Chung
 Keith Chung
 Jeffson Chung
 Eric Dallal
 Aniruddha Dharwatkar
 Xintian Dong
 Frederick Dong
 Joel Drouillard
 Peter Du
 Joe Du
 Pei F U
 Ti Kan Feng

St. Michael's College School
 Port Moody S.S.S.
 Steveston S.S.
 Earl Haig S.S.
 Marianopolis College
 Cedarbrae C.I.
 Carson Graham S.S.
 Nicholson Catholic College
 Cegep Edouard-Montpetit
 Western Canada H.S.
 University of Toronto Schools
 Comm. Hebrew Academy of Toronto
 The Halifax Grammar School
 Selwyn House School
 Cegep De Riviere-Du-Loup
 University of Toronto Schools
 Lo-Ellen Park S.S.
 University of Toronto Schools
 University of Toronto Schools
 Earl Haig S.S.
 Jarvis C.I.
 Alpha S.S.
 David Thompson S.S.
 Handsworth S.S.
 Port Moody S.S.S.
 University of Toronto Schools
 University of Toronto Schools
 Lisgar C.I.
 Western Canada H.S.
 University of Toronto Schools
 Marianopolis College
 Stephen Leacock C.I.
 Albert Campbell C.I.
 Markham D.H.S.
 Vincent Massey S.S.
 Sir Winston Churchill H.S.
 Sir Winston Churchill S.S.
 Danforth Coll. & Tech. Inst.
 Alexander Mackenzie H.S.

Toronto, ON
 Port Moody, BC
 Richmond, BC
 North York, ON
 Montreal, QC
 Scarborough, ON
 North Vancouver, BC
 Belleville, ON
 Longueuil, QC
 Calgary, AB
 Toronto, ON
 Toronto, ON
 Halifax, NS
 Montreal, QC
 Riviere-Du-Loup, QC
 Toronto, ON
 Sudbury, ON
 Toronto, ON
 Toronto, ON
 North York, ON
 Toronto, ON
 Burnaby, BC
 Vancouver, BC
 North Vancouver, BC
 Port Moody, BC
 Toronto, ON
 Toronto, ON
 Ottawa, ON
 Calgary, AB
 Toronto, ON
 Montreal, QC
 Scarborough, ON
 Scarborough, ON
 Markham, ON
 Windsor, ON
 Calgary, AB
 Vancouver, BC
 Toronto, ON
 Richmond Hill, ON

Name / Nom		School / École	Location / Endroit
Alex	Fink	Queen Elizabeth H.S.	Calgary, AB
Cory	Fletcher	Colonel By S.S.	Gloucester, ON
Guillaume	Fortin	Cegep Edouard-Montpetit	Longueuil, QC
Daniel	Froese	River East C.I.	Winnipeg, MB
Yuan	Gao	Queen Elizabeth H.S.	Halifax, NS
Mathieu	Guay Paquet	Secondaire Antoine Brossard	Brossard, QC
Michael	Guerzhoy	William Lyon Mackenzie C.I.	Toronto, ON
Ray	Guo	University of Toronto Schools	Toronto, ON
Louis Franco	Handfield	College Jean-De-Brebeuf	Montreal, QC
Weibo	Hao	Vincent Massey S.S.	Windsor, ON
Adam	Harmat	Port Moody S.S.S.	Port Moody, BC
Ararat	Harutyunyan	Dawson College	Montreal, QC
Wei	He	Jarvis C.I.	Toronto, ON
Sandy	Ho	Southridge School	Surrey, BC
Patricia	Hon	William Lyon Mackenzie C.I.	Toronto, ON
Liang	Hong	University of Toronto Schools	Toronto, ON
Adam	Hotka	East York C.I.	Toronto, ON
Jia	Hu	Harry Ainlay Comp. H.S.	Edmonton, AB
Hector	Hung	St. George's School	Vancouver, BC
Vadim	Iaralov	Jarvis C.I.	Toronto, ON
Ola	Irzak	William Lyon Mackenzie C.I.	Toronto, ON
Yoshihiro	Ishihara	Marianopolis College	Montreal, QC
Jenny Yue	Jin	Earl Haig S.S.	North York, ON
Derrick	Jue	St. George's School	Vancouver, BC
Wilson	Kan	Brebeuf College School	Willowdale, ON
Hyunkue	Kang	Vaughan S.S.	Thornhill, ON
Brian	Keng	Vaughan S.S.	Thornhill, ON
Jang Ho	Kim	Crescent School	Willowdale, ON
Matthew	Konieczny	Kitchener-Waterloo C.I. & V.I.	Kitchener, ON
Roger	Lai	Queen Elizabeth H.S.	Calgary, AB
Kent	Lam	Thornhill S.S.	Thornhill, ON
Quinn	Lau	Streetsville S.S.	Mississauga, ON
Christian	Le	Moscrop Secondary School	Burnaby, BC
Sophie	Lee	Sir Winston Churchill S.S.	Vancouver, BC
David W	Lee	Western Canada H.S.	Calgary, AB
Wooram	Lee	Handsworth S.S.	North Vancouver, BC
Kanguk	Lee	Brebeuf College School	Willowdale, ON
Crystal	Lee	Westdale S.S.	Hamilton, ON
Yukai	Li	Vincent Massey S.S.	Windsor, ON
Huachen	Li	Northern S.S.	Toronto, ON
Rachel	Li	Forest Hill C.I.	Toronto, ON
Edwin	Li	St. George's School	Vancouver, BC
Joseph	Li	Eric Hamber S.S.	Vancouver, BC
Zhentao	Li	Marianopolis College	Montreal, QC
Nan	Lin	Lower Canada College	Montreal, QC
Tong	Liu	Columbia International College	Hamilton, ON
Xin	Ma	King's-Edgehill School	Windsor, NS
Jacob	Machina	Vincent Massey S.S.	Windsor, ON
Russ	Mann	F.E. Madill S.S.	Wingham, ON
Philippe	Marchand	College De L'Outaouais	Hull, QC
Britain	Martin	University of Toronto Schools	Toronto, ON
Gai	Matsushita	Newtonbrook S.S.	North York, ON
Jeffrey	McCabe	St. Michael's College School	Toronto, ON

Name / Nom		School / École	Location / Endroit
Jim	McGarva	University of Toronto Schools	Toronto, ON
Mark	Meldrum	Toronto French School	Toronto, ON
Morgon	Mills	Upper Canada College	Toronto, ON
Alec	Mills	Western Canada H.S.	Calgary, AB
Shilpa	Mody	University of Toronto Schools	Toronto, ON
Alexander	Moffatt	Westdale S.S.	Hamilton, ON
Benjamin	Mou	L'Amoreaux C.I.	Agincourt, ON
Adam	Nace	Huron Park S.S.	Woodstock, ON
Vijay	Narasimhan	Brookfield H.S.	Ottawa, ON
Preetam	Narisetty	George S. Henry Academy	North York, ON
Anorei	Nechita	Saint John H.S.	Saint John, NB
Bryan	Ng	Upper Canada College	Toronto, ON
Conor	Ohara	Ontario Science Centre	Don Mills, ON
Edmund	Ong	St. John's-Ravenscourt School	Winnipeg, MB
Igor	Ostrovsky	Delta S.S.	Delta, BC
Xiaoyu	Ouyang	Northern S.S.	Toronto, ON
Frank	Pai	Lord Byng S.S.	Vancouver, BC
Brock	Pehar	St. Thomas Aquinas S.S.	Oakville, ON
Ilinca	Popovici	Lisgar C.I.	Ottawa, ON
Steven	Promislow	St. John's-Ravenscourt School	Winnipeg, MB
Clara	Rhee	University of Toronto Schools	Toronto, ON
Paul	Robichaud	Coll. Andre Grasset	Montreal, QC
Amirehsan	Sajad	Earl Haig S.S.	North York, ON
James	Schofield	St. Matthew H.S.	Orleans, ON
Stanley	Shen	Sir Winston Churchill S.S.	Vancouver, BC
Mark	Sherry	London, ON	
Arthur	Shum	Upper Canada College	Toronto, ON
Bikrampal	Sidhu	University of Toronto Schools	Toronto, ON
Allen	Siu	A.Y. Jackson S.S.	North York, ON
Aaron	Smith	University of Toronto Schools	Toronto, ON
Yujie	Song	John Oliver S.S.	Vancouver, BC
Minwen Ava	Song	T.L. Kennedy S.S.	Mississauga, ON
Guillaume	St Yves	College Jean-De-Brebeuf	Montreal, QC
Keith	Stanger	Alexander Mackenzie H.S.	Richmond Hill, ON
Evan	Stratford	University of Toronto Schools	Toronto, ON
Yifei Alex	Sun	Jarvis C.I.	Toronto, ON
Sarah	Sun	St. Mary's School	Okotoks, AB
Kevin	Sung	Woodbridge College	Woodbridge, ON
Tina	Tahmoureszadeh	Earl Haig S.S.	North York, ON
Ricky	Tai	Dr. Norman Bethune C.I.	Scarborough, ON
Darryl	Tam	St. Pius X H.S.	Ottawa, ON
Jennifer	Tam	Eric Hamber S.S.	Vancouver, BC
Edward	Tan	Stephen Leacock C.I.	Scarborough, ON
Yuanbin	Tang	Lisgar C.I.	Ottawa, ON
Dan	Taranu	University of Toronto Schools	Toronto, ON
Olivier	Tessier	Champlain Regional College	St. Lambert, QC
John	Thaler	Waterloo Oxford D.S.S.	Baden, ON
Jason	Theano	Woburn C.I.	Toronto, ON
Clifford	Ting	Markham D.H.S.	Markham, ON
Henry	Truong	Grand River C.I.	Kitchener, ON
Meng Zane A	Tsay	T.A. Blakelock H.S.	Oakville, ON
Kuan Chieh	Tseng	Yale S.S.	Abbotsford, BC
Peter	Tung	Sir John A. Macdonald C.I.	Agincourt, ON

Name / Nom		School / École	Location / Endroit
Heather	Upham	Dawson College	Montreal, QC
John	Vipperman	The Yorkland School	Willowdale, ON
Christopher	Wai	Upper Canada College	Toronto, ON
Steven	Wang	Brebeuf College School	Willowdale, ON
Craig	Wilkinson	Parkside H.S.	Dundas, ON
Gregory	Winston	O'Neill C.V.I.	Oshawa, ON
David	Wong	Woburn C.I.	Toronto, ON
Henry	Wong	St. Francis Xavier C.H.S.	Mississauga, ON
Terence	Wong	Earl Haig S.S.	North York, ON
Nathanael	Wu	Western Canada H.S.	Calgary, AB
Si	Xie	Lockerby Composite School	Sudbury, ON
Alice	Xu	Vincent Massey S.S.	Windsor, ON
Yuan	Xu	Sir Winston Churchill S.S.	Vancouver, BC
Phoenix	Xu	Jarvis C.I.	Toronto, ON
Nan	Yang	Birchmount Park C.I.	Scarborough, ON
Kun	Yao	Earl Haig S.S.	North York, ON
Roger	Yeung	University of Toronto Schools	Toronto, ON
Ka Wun	Yip	Waterloo C.I.	Waterloo, ON
Marcus	Yip	Albert Campbell C.I.	Scarborough, ON
Euisoo	Yoo	Marianopolis College	Montreal, QC
Sonny	Yue	Queen Elizabeth H.S.	Calgary, AB
Frank	Zhang	George S. Henry Academy	North York, ON
Jeff	Zhao	Eric Hamber S.S.	Vancouver, BC
Richard	Zhao	Newtonbrook S.S.	North York, ON
Xiaoyue	Zhao	Sir John A. Macdonald C.I.	Agincourt, ON
Jiayuan	Zhu	L'Amoreaux C.I.	Agincourt, ON
Eric	Zhu	Woburn C.I.	Toronto, ON
Eric	Zimanyi	Marianopolis College	Montreal, QC

Student Rankings

Classement des élèves

Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
80	1	52	1060	24	2955
79	9	51	1134	23	3003
78	14	50	1204	22	3044
77	17	49	1291	21	3082
76	21	48	1371	20	3114
75	22	47	1463	19	3152
74	25	46	1547	18	3185
73	46	45	1611	17	3217
72	46	44	1690	16	3243
71	70	43	1769	15	3264
70	111	42	1854	14	3291
69	151	41	1917	13	3314
68	176	40	1988	12	3336
67	199	39	2068	11	3362
66	235	38	2151	10	3387
65	284	37	2224	9	3409
64	333	36	2299	8	3430
63	384	35	2363	7	3443
62	434	34	2440	6	3454
61	485	33	2503	5	3474
60	527	32	2559	4	3496
59	571	31	2616	3	3509
58	625	30	2656	2	3520
57	683	29	2711	1	3523
56	757	28	2769	0	3534
55	818	27	2824		
54	894	26	2869		
53	980	25	2912		

The listing above pertains to official candidates only. / La liste précédente ne s'applique qu'aux candidats officiels.

Contest Committee

Comité du concours

Ian McGee (Chair)
University of Waterloo
Waterloo

Rad de Peiza
Upper Canada College
Toronto

John Del Grande
Retired
Newmarket

Gareth Griffith
University of Saskatchewan
Saskatoon

Mike Mosca
University of Waterloo
Waterloo

Jeff Shifrin
Retired
Toronto

Daryl Tingley
University of New Brunswick
Fredericton

Bruce White
Vincent Massey S. S.
Windsor

Coordinating Committee

Comité du coordination

Peter Crippin, University of Waterloo

Gordon Nicholls, Managing Director, C.E.M.C.

Ian VanderBurgh, University of Waterloo

Graham Wright, Executive Director, C.M.S.

Students who do not meet the requirements of eligibility in age and school residence are classified as unofficial contestants. Students are listed in alphabetical order within each group.

Les étudiants qui ne sont pas de l'âge éligible ou qui ne fréquentent pas l'école ne sont pas classifiés comme concurrents. Dans chaque groupe, les élèves sont nommés en ordre alphabétiques.

GROUP I / GROUPE I SCORES / NOTES ≥ 60

FIRST NAME / LAST NAME		SCHOOL	CITY
Shailesh	Agarwal	ICAE	Troy, Michigan
Sunil	Agarwal	ICAE	Troy, Michigan
Matthew	Angelone	Crescent School	Willowdale, ON
Sarasvati	Bahadursingh	Naparima Girls H.S.	San Fernando, Trinidad
Candice	Baldeo	Naparima Girls H.S.	San Fernando, Trinidad
Arjun	Bharioke	Marc Garneau C.I.	Don Mills, ON
Jeremiah	Buckley	Christian Brothers College	Cork, Ireland
Eren	Camlikaya	Uskudar American Academy	Istanbul, Turkey
Cecilia	Cancino	Nancy Campbell C.I.	Stratford, ON
Jiahe	Cao	Columbia International College	Hamilton, ON
Fei Fei	Chan	The Int. School of Beijing	Beijing, China
Terry	Chan	Sir Winston Churchill S.S.	Vancouver, BC
Yicheng	Chen	ICAE	Troy, Michigan
Yuyin	Chen	ICAE	Troy, Michigan
Mitchell	Chen	Sir Frederick Banting S.S.	London, ON
Jinhyoung	Choi	Pine Ridge S.S.	Pickering, ON
Tim	Chu	The Int. School of Beijing	Beijing, China
Gokhan	Civan	Uskudar American Academy	Istanbul, Turkey
Colin	Clarke	ICAE	Troy, Michigan
Joel	Dowlath	Naparima Girls H.S.	San Fernando, Trinidad
Kevin	Du	Dr. Norman Bethune C.I.	Scarborough, ON
Alain	Duncan	Marianopolis College	Montreal, QC
Ozgur	Erpek	American Collegiate Institute	Izmir, Turkey
Ozan Efe	Ertem	American Collegiate Institute	Izmir, Turkey
Qihao	Fu	Columbia International College	Hamilton, ON
Tony	Ge	ICAE	Troy, Michigan
Jiayun	Gu	Georges Vanier S.S.	Toronto, ON
Prasad	Gullapalli	ICAE	Troy, Michigan
Anant	Gupta	ICAE	Troy, Michigan
Sushil	Gupta	ICAE	Troy, Michigan
Kenneth	Heafield	ICAE	Troy, Michigan
Bob	Hough	ICAE	Troy, Michigan
Tracy	Huang	Sir John A. Macdonald C.I.	Agincourt, ON
Yoontae	Jeon	Lord Byng S.S.	Vancouver, BC
Tack Hoon	Kim	American School of Warsaw	Konstancin-Jeziorna, Poland
Duat	Le	Western Tech. Comm. School	Toronto, ON
Jimmy	Li	Earl Haig S.S.	North York, ON
Mark	Li	L'Amoreaux C.I.	Agincourt, ON
Jinlin	Li	Columbia International College	Hamilton, ON
Juan	Li	Columbia International College	Hamilton, ON
Ziquan	Liao	Sir John A. Macdonald C.I.	Agincourt, ON
Jiang	Liu	Columbia International College	Hamilton, ON
Ting Tiffany	Liu	Albert Campbell C.I.	Scarborough, ON
Marvin	Mao	The Int. School of Beijing	Beijing, China
Michael	McDermott	Port Moody S.S.S.	Port Moody, BC
Jennifer	Mo	York Mills C.I.	North York, ON

FIRST NAME / LAST NAME		SCHOOL	CITY
Kyunchul	Moon	Delia School of Canada Sec. Se	Hong Kong, China
Patrick	Paczkowski	American School of Warsaw	Konstancin-Jeziorna, Poland
Chunghyun	Park	Centennial S.S.S.	Coquitlam, BC
Beilei	Qiann	Columbia International College	Hamilton, ON
Lin	Qiu	Columbia International College	Hamilton, ON
Yuan	Shen	Columbia International College	Hamilton, ON
Ilmin	Suh	George S. Henry Academy	North York, ON
Xiaq Lin	Sun	Bond International College	Toronto, ON
Kevin	Teh	Stephen Leacock C.I.	Scarborough, ON
Jia	Tian	Sir John A. Macdonald S.S.	Hamilton, ON
John	Tsao	ICAE	Troy, Michigan
Baris	Tumerkan	Uskudar American Academy	Istanbul, Turkey
Jonathan	Wei	The Int. School of Beijing	Beijing, China
Ting Han	Wei	Port Moody S.S.S.	Port Moody, BC
Christine	Xie	David Thompson S.S.	Vancouver, BC
Sheryl Xin	Xiong	Albert Campbell C.I.	Scarborough, ON
Liuchao	Yan	Columbia International College	Hamilton, ON
Jean	Yang	Georges Vanier S.S.	Toronto, ON
Yue	Yin	Marc Garneau C.I.	Don Mills, ON
Albert	Yu	The Int. School of Beijing	Beijing, China
Han G	Zhang	Albert Campbell C.I.	Scarborough, ON
Steve	Zhang	ICAE	Troy, Michigan
Bin	Zhao	Vanier College	Ville St. Laurent, QC