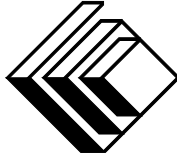


Canadian  
Mathematics  
Competition  
An activity of the Centre for  
Education in Mathematics and Computing,  
University of Waterloo, Waterloo, Ontario



Concours  
canadien de  
mathématiques  
Une activité du Centre d'éducation  
en mathématiques et en informatique,  
Université de Waterloo, Waterloo, Ontario

**2009**  
**Results**

**2009**  
**Résultats**

**Gauss Contests**  
(Grades 7 & 8)

**Concours Gauss**  
(7<sup>e</sup> et 8<sup>e</sup> années – Sec. I et II)



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Kim Stenhouse, William G. Davis P.S., Cambridge, ON  
David Switzer, Sixteenth Ave. P.S., Richmond Hill, ON  
Tanya Thompson, Nottawa, ON  
Chris Wu, Amesbury M.S., Toronto, ON

### Overall Comments

The Grade 7 and Grade 8 Gauss Contests are the first two in a series of mathematics contests created and administered by the Centre for Education in Mathematics and Computing. The 2009 offering of these Contests drew an enrollment of almost 80 000, mainly from Canadian schools, but also including a growing number of international schools.

The summary of results found in these pages is compiled from voluntarily submitted reporting forms. These results are based on returns representing just under one third of the total of enrolled students, and so can be viewed as representative of the actual results.

The average mark on the Grade 7 Gauss Contest was 89.4 in 2009, while the average mark on the Grade 8 Contest was 94.3. We are very pleased with these results.

As it has always been in the past, the primary goals in setting the Contests is to provide a fun activity which also challenges students, and gives teachers an opportunity to work with their students on a mathematical activity outside the normal classroom routine. We extend our thanks to those students and teachers who participated this year, and hope that you will all continue to be active in such activities.

Congratulations to all participants, and especially to those named in this report. We look forward to your names, and others, appearing in future lists of participants.

### Commentaires généraux

Les concours Gauss de 7<sup>e</sup> et 8<sup>e</sup> année (Sec. I et II) sont les deux premiers concours d'une série de concours de mathématiques créées et administrées par le Centre d'éducation en mathématiques et en informatique. En 2009, ces concours ont mené à une inscription d'un peu moins de 80 000 étudiants, principalement d'écoles canadiennes mais incluant aussi un nombre croissant d'écoles internationales.

Le sommaire des résultats, trouvé dans ces pages, est compilé de formulaires de rapport de résultats volontairement soumis. Ces résultats sont basés sur les retours représentant un tiers du total d'étudiants inscrits, et donc peut être vu comme représentant de façon raisonnable les résultats actuels.

La note moyenne sur le Concours de Gauss de 7<sup>e</sup> année était 89,4 en 2009, pendant que la note moyenne du Concours de 8<sup>e</sup> année était 94,3. Nous sommes très contents des résultats de 2009.

Comme cela a toujours été dans le passé, le but primaire du concours est de donner une activité amusante mais, qui défie aussi les étudiants et permet aux enseignants de travailler avec leurs étudiants sur une activité mathématique hors de la routine de salle de classe. Nous offrons nos remerciements aux étudiants et aux enseignants qui ont participé cette année et nous espérons que vous continuerez à être actif dans de telles activités.

Félicitation à tous les participants, et surtout à ceux nommé dans ce rapport. Nous avons hâte de voir vos noms et ceux de d'autres étudiants, apparaître dans les listes futures de participants.

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

	Enrollment/ Inscription
NL	1572
NS	2181
NB	199
PE	219
QC	7061
ON	42971
MB	1622
SK	263
AB	6044
BC	10945
NT	65
International	5631
Total	<u>78773</u>

**Statistics / Statistiques**

Total number of students represented / Nombre d'élèves: 25 595

Grade 7 / 7<sup>e</sup> année (Sec. I)

Number of schools represented / Nombre d'écoles	609
Number of students represented / Nombre d'élèves	12 549
Average / Moyenne	89.4

Marks Points	Number of Students Nombre d'élèves	Approximate Percentage of Students Pourcentage approximatif du nombre d'élèves
136 – 150	461	3.67
121 – 135	890	7.09
106 – 120	1818	14.49
91 – 105	2804	22.34
76 – 90	2857	22.77
61 – 75	2039	16.25
≤ 60	1680	13.39

Grade 8 / 8<sup>e</sup> année (Sec. II)

Number of schools represented / Nombre d'écoles	586
Number of students represented / Nombre d'élèves	13 046
Average / Moyenne	94.3

Marks Points	Number of Students Nombre d'élèves	Approximate Percentage of Students Pourcentage approximatif du nombre d'élèves
136 – 150	637	4.88
121 – 135	1241	9.51
106 – 120	2420	18.55
91 – 105	3106	23.81
76 – 90	2742	21.02
61 – 75	1692	12.97
≤ 60	1208	9.26

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

**Perfect scores of 150 / Notes parfaites de 150**

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Jahid	Adam	St. George's School	Vancouver, BC
Courtne	Baek	Mulgrave School	West Vancouver, BC
Anton	Campbell	Glashan P.S.	Ottawa, ON
Victoria	Cao	Vincent Massey S.S.	Windsor, ON
Joyce	Chan	Aldergrove P.S.	Markham, ON
Victor	Chang	Summit M.S.	Coquitlam, BC
Jiyang	Chen	Collège Jean-de-Brébeuf	Montreal, QC
Sijia	Chen		North York, ON
Jae Won	Choi	W.A. Fraser M.S.	Abbotsford, BC
Andrew	Choi	Henderson Ave. P.S.	Thornhill, ON
Christina	Choi	Mulgrave School	West Vancouver, BC
Jessica	Clarke	àEcole l'Harmonie	Waterloo, ON
Vivian	Dai	W. Cook E.S.	Richmond, BC
Chris	Diec	Bridlewood C.E.S.	Ottawa, ON
Kelly	Dong	Waverley Drive P.S.	Guelph, ON
Daniel	Gao	École Sperling School	Burnaby, BC
Nicholas	Guetter	Glynn A. Green E.S.	Fonthill, ON
Courtney	Hardy	Unionville Montessori School	Markham, ON
Tony	Hu	MacGregor Sr. P.S.	Waterloo, ON
Simon	Huang	St. Andrews J.H.S.	North York, ON
Stefan	Keselj	Bedford J.H.S.	Bedford, NS
Chloe	Kim	Martha Currie Elementary	Surrey, BC
Hannah	Kim	Douglas Road Elementary	Burnaby, BC
Hyeji	Kim	Milne Valley M.S.	North York, ON
Joo	Ko	Zion Heights Jr. H.S.	North York , ON
Matthew	Lakier	Spectrum Alternative School	Toronto, ON
André Vito	Lametti	Collège Jean-de-Brébeuf	Montreal, QC
Luka	Lawford	Glashan P.S.	Ottawa, ON
Junho	Lee	Nashwaaksis M.S.	Fredericton, NB
Alice	Li	Milne Valley M.S.	North York, ON
Peter	Li	Chaffey-Burke Elementary	Burnaby, BC
Adam	Li	St. Andrews J.H.S.	North York, ON
Victor	Li	St. John's-Ravenscourt School	Winnipeg, MB
Terry	Liu	Stride Ave. Community School	Burnaby, BC
Frank	Liu	St. Andrews J.H.S.	North York, ON
Dale	Lucier	Northdale P.S.	Woodstock, ON
Saeyon	Mylvaganam	Gordon A. Brown M.S.	East York, ON
Aliya	Nathoo	Town Centre Montessori School	Markham, ON
Plisov	Oleg	E.S. Paul Grin-Lajoie D'Outremont	Outremont, QC
Eric	Pan	Orchard Park P.S.	London, ON
Justin	Park	Summit M.S.	Coquitlam, BC
Ashley	Qian	Zion Heights Jr. H.S.	North York, ON
Young Jin	Shin	Canyon Heights School	North Vancouver, BC
Jordan	Sinder	St. John's-Ravenscourt School	Winnipeg, MB
Laura	Song	Joan of Arc Academy	Ottawa, ON
Richard	Tuovila	Springvalley M.S.	Kelowna, BC
Alina	Wang	Greenbank M.S.	Nepean, ON
Bo Qin (Tony)	Wang	Pleasant View J.H.S.	North York, ON
Joy	Wang	Zion Heights Jr. H.S.	North York , ON
Brody	Wong	Regent Christian Academy	Surrey, BC
Larkin	Woo	Brentwood Park	Burnaby, BC
Jeffrey	Wu	Homelands Senior P.S.	Mississauga, ON
Yidi-Lily	Wu	Vincent Massey S.S.	Windsor, ON
Xiaoze	Wu		North York, ON
Brian	Yeung	Cummer Valley M.S.	Toronto, ON

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Anne	Yin	Royal West Academy	Montreal-Ouest, QC

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<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Kevin	Zhang	Jean de la Mennais	La Prairie, QC
Victor	Zhao	Lower Canada College	Montreal, QC
Ming Yuan	Zheng		Scarborough, ON

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

**Perfect scores of 150**

<b>Name/Nom</b>	<b>School/École</b>	<b>Location/Endroit</b>
Debbie	Anandakumar	Joseph Howe Sr. P.S.
Kyle	Bower	Steveston London S.S.
Justin	Chai	Toronto French School
Jeet	Chakrabarty	Dolphin Sr. P.S.
Jennifer	Chen	Cummer Valley M.S.
Jessie	Chen	Sherwood P.S.
Alex	Chen	Stephen Leacock P.S.
Joan	Chen	Broadview P.S.
Kevin	Chien	Crescent School
Braden	Cok	Laurentian Hills Christian School
Braden	Cook	Toronto District Christian H.S.
Xiongyi	Cui	Leary's Brook J.H.S.
Laurence	Davidson	E.S. Paul Gérin-Lajoie D'Outremont
David	Dong	Don Mills M.S.
Ryley	Erickson	Glenlyon-Norfolk Sr. S.S.
Michael	Fagan	Centennial Academy
Alexander	Gagne	Citadel M.S.
Rishagn	Ganeshathasan	Dolphin Sr. P.S.
Michael	Gao	Cummer Valley M.S.
Fan	Guo	Sixteenth Avenue P.S.
Yi Fei	Han	Burnaby North S.S.
Michael	Hong	Jack Chambers P.S.
Brian	Huang	Castlemore P.S.
Tom	Huang	Crosby Heights P.S.
Gareth	Iveson	Dolphin Sr. P.S.
Sahil	Jain	David Leeder M.S.
Kuan	Jiang	Collège Jean-de-Brébeuf
Eric	Kim	St. George's School
Angus	Kong	Vincent Massey S.S.
Ye (David)	Li	Windfields J.H.S.
Dan	Liu	Bridlewood C.E.S.
Eric	Liu	St. George's School
Jiawei	Liu	Gordon A. Brown M.S.
Shawn	Liu	Vincent Massey S.S.
Tony	Liu	Orchard Park P.S.
Devin	Lo	University of Toronto Schools
Peter	Martin	Waverley Drive P.S.
Gabby	Martinez	Don Bosco School
Nabil	Mitha	Unionville Montessori School
Monica	Ng	Little Flower Academy
Bobby	Qiu	Don Mills M.S.
Bryan	Qiu	
Jianying	Qu	Elia M.S.
Daniel	Ripsman	Associated Hebrew Schools
Nicolas	Rivera	Collège Jean-de-Brébeuf
Alexander	Rodrigues	John Ware J.H.S.
Lilly	Sheng	Broadview P.S.
Petar	Simidzija	Courtland Sr. P.S.
Graham	Singer	John G. Althouse M.S.
Gabriel	Varinot	Collège Jean-de-Brébeuf
David	Wang	Gordon A. Brown M.S.
Mary	Wang	Sir Winston Churchill S.S.
Yifan	Wang	Pleasant View J.H.S.
Margaret	Wollensak	Glashan P.S.
Joseph	Wu	Cummer Valley M.S.
Kevin	Wu	Cummer Valley M.S.

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Angela	Wu	King George P.S.	Guelph, ON
Gavin	Wu	Eric Hamber S.S.	Vancouver , BC
Tony	Wu	Town Centre Montessori School	Markham, ON
William	Xi	Sir Winston Churchill S.S.	Vancouver, BC
George	Xiao	Castlemore P.S.	Markham, ON
Peter	Xie	Don Mills M.S.	North York, ON
Star	Xu	Laurelwood P.S.	Waterloo, ON
Wenbo	Xue	Homelands Sr. P.S.	Mississauga, ON
Ted	Ying	Homelands Sr. P.S.	Mississauga, ON
Leslie	Ying	University of Toronto Schools	Toronto, ON
Bill	Yu	Homelands Sr. P.S.	Mississauga, ON
Runan	Yu	Henry Kelsey Sr. P.S.	Scarborough, ON
Leo	Zhang	Don Mills M.S.	North York, ON
Eliya	Zhao	MacGregor Sr. P.S.	Waterloo, ON
William	Zhou	Britannia S.S.	Vancouver, BC
Sean	Zhou	Gordon A. Brown M.S.	East York, ON
Michael	Zhu	Glashan P.S.	Ottawa, ON
Robert	Zhu	Joshua Creele P.S.	Oakville, ON
Andrei	Zlotchevski	Collège Jean-de-Brébeuf	Montreal, QC

**Perfect scores of 150 for Grade 7 Students /  
Notes parfaites de 150 pour les élèves de 7<sup>e</sup> année (Sec. I)**

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Nithin	Adapa	ICAE	Troy, MI
Sankalp	Aggarwal	ICAE	Troy, MI
Raghu	Arghal	ICAE	Troy, MI
Ankan	Bhattacharya	ICAE	Troy, MI
Michael	Brodeth	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Darryl	Chandra	Sevilla School	Jakarta Timur, Indonesia
Sean Timothy	Cheng	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Nelson	Cheung	Creative S.S.	Hong Kong
Kenneth	Co	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Brendon	Go	Math Trainers Guild of Philippines	Zamboanga City, Philippines
James Surya	Herman	Sevilla School	Jakarta Timur, Indonesia
Daniel	Irawan	Sevilla School	Jakarta Timur, Indonesia
Chang-Ting	Kao	Washington H.S	Tai-Ping, Taiwan
Akash	Kumar	ICAE	Troy, MI
Nitin	Kumar	ICAE	Troy, MI
Andika	Kusuma	Sevilla School	Jakarta Timur, Indonesia
Ludhovic Luiz	Madrid	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Dian	Mattingly	ICAE	Troy, MI
Aldrich	Mayoralgo	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Charmie	Mehta	ICAE	Troy, MI
Henry Jefferson	Morco	Math Trainers Guild of Philippines	Zamboanga City, Philippines
James	Okusa	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Vincent	Setiawan	Sevilla School	Jakarta Timur, Indonesia
Apurva	Shrivastava	ICAE	Troy, MI
Richie Rainier	Sison	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Christa Lorenzia	Soesanto	Sevilla School	Jakarta Timur, Indonesia
Fransisca	Susan	Sevilla School	Jakarta Timur, Indonesia
Syd	Ullrich	Carmichael M.S.	Richland, WA
Pradymna	Uppula	ICAE	Troy, MI
Yu-Han	Wang	Washington H.S	Tai-Ping, Taiwan
Angelina	Winoto	Sevilla School	Jakarta Timur, Indonesia
Alan	Xu	ICAE	Troy, MI
Hubert	Yao	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Ying Ching Jessica	Yung	Diocesan Girls' School	Hong Kong

**Perfect scores of 150 for Grade 8 Students /  
Notes parfaites de 150 pour les élèves de 8<sup>e</sup> année (Sec. II)**

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Sy	Amiel	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Erik Lance	Astillero	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Rohit	Bhadange	ICAE	Troy, MI
Sahi	Bollineni	ICAE	Troy, MI
Lao	Carmela	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Eric	Chen	ICAE	Troy, MI
Adrian Raphael	Co	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Natasha	Consul	ICAE	Troy, MI
Ambareesh	Gorle	ICAE	Troy, MI
Peter	Hao	ICAE	Troy, MI
Hirsh	Jain	ICAE	Troy, MI
Seung Yeon	Jung	Fudan Int'l School	Shanghai, China
Nishant	Kakar	ICAE	Troy, MI
Min Ji	Kim	Int'l School of Manila M.S.	Taguig City, Philippines
Janssen Marcos	Kotah	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Cheuk Yan	Lam	Diocesan Girls' School	Hong Kong
Jeffry	Lin	ICAE	Troy, MI
Chanukya	Malla	ICAE	Troy, MI
Ng	Matthew	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Nikhil	Misra	ICAE	Troy, MI
Karthik	Munugala	ICAE	Troy, MI
Dana	Ng	Canadian Int'l School	Singapore
Akhil	Nistala	ICAE	Troy, MI
Raghav	Prabhu	ICAE	Troy, MI
Yusuf Adi	Prawira	Sevilla School	Jakarta Timur, Indonesia
Franklin	Qiu	ICAE	Troy, MI
Ngo	Ricsson	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Carlo Patrick	Tan	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Sabrina Adabelle	Tiu	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Geovin Dexter	Uy	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Go	Vance	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Kashmira	Wani	ICAE	Troy, MI
Jeremy Vance	Yap	Math Trainers Guild of Philippines	Zamboanga City, Philippines
Aparna	Yechoor	ICAE	Troy, MI
Brian	Yu	Creative S.S.	Hong Kong
Hoi Ting Anna	Yu	Diocesan Girls' School	Hong Kong
Amanda		Sevilla School	Jakarta Timur, Indonesia