



The CENTRE for EDUCATION  
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION  
en MATHÉMATIQUES et en INFORMATIQUE  
[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

**2012**  
***Results***

**2012**  
***Résultats***

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

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

UNIVERSITY OF  
**WATERLOO**

**WATERLOO**  
**MATHEMATICS**

**Deloitte.**

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### 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 2012 offering of these Contests drew an enrollment of more than 78 000, 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 more than 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 92.8 in 2012, while the average mark on the Grade 8 Contest was also 93.3. 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 2012, ces concours ont mené à une inscription de plus de 78 000 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 92,8 en 2012, pendant que la note moyenne du Concours de 8<sup>e</sup> année était aussi 93,3. Nous sommes très contents des résultats.

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	1273
NS	1661
NB	301
PE	99
QC	6611
ON	43986
MB	1113
SK	245
AB	5726
BC	9259
NT	48
YT	10
International	7806
Total	<u>78138</u>

**Statistics / Statistiques**

Total number of students represented / Nombre d'élèves: 26 294

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

Number of schools represented / Nombre d'écoles	583
Number of students represented / Nombre d'élèves	13 702
Average / Moyenne	92.8

Marks Points	Number of Students Nombre d'élèves	Approximate Percentage of Students Pourcentage approximatif du nombre d'élèves
136 – 150	716	5.23
121 – 135	1269	9.26
106 – 120	2376	17.34
91 – 105	3066	22.38
76 – 90	2983	21.77
61 – 75	2013	14.69
≤ 60	1279	9.33

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

Number of schools represented / Nombre d'écoles	563
Number of students represented / Nombre d'élèves	12 592
Average / Moyenne	93.3

Marks Points	Number of Students Nombre d'élèves	Approximate Percentage of Students Pourcentage approximatif du nombre d'élèves
136 – 150	338	2.68
121 – 135	1075	8.54
106 – 120	2534	20.12
91 – 105	3000	23.82
76 – 90	2562	20.35
61 – 75	1667	13.24
≤ 60	1416	11.25

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>
Faisal	Al-Kwiliy	Rockcliff M.S.
Kaj	Arevalo	University of Toronto Schools
Bill	Bi	Southlands Elementary School
Sourav	Biswas	Laurelwood P.S.
Adriana	Brkic	Winnipeg, MB
Chelsea	Cao	University of Toronto Schools
Young Jae	Chang	Bayridge Elementary
Patrick	Chen	Tecumseh E.S.
Yi Fei	Chen	Doncrest P.S.
Parth	Chopra	Dr. Roberta Bondar P.S.
Trinh	Conroy	Windfields Jr. H.S.
Dixun	Cui	Unionville Montessori School
Michael	Dai	W. Erskine Johnston P.S.
Jia Hui	Du	Camilla Road Sr. P.S.
Andrew	Eo	Linden Meadows
Shirley	Fan	St. Justin Martyr
Thomas	Guo	Scarborough, ON
Max	Hao	Blue Willow P.S.
Icen	Hong	St. George's Junior School
Kevin	Hu	Mulgrave School
Jack	Hwang	St. George's Junior School
Justin	Hwang	St. George's Junior School
Siddhant	Jain	William Dunbar P.S.
David	Joun	École Sperling
Emma	Jutlah	Kenollie P.S.
Brandon	Kang	Thames Valley D.S.B.
Amy	Kim	University of Toronto Schools
Deanna	Kim	University of Toronto Schools
Jun	Kim	Stoney Creek Community School
Patrick	Kim	University of Toronto Schools
Wei	Kong	Acadia Jr. H.S.
Woo Joo	Kwon	Bayridge Elementary
Dennis	Lee	Greystone Heights School
Steven	Lee	Dalewood Middle School
Janice	Li	Milliken Mills P.S.
Andrew	Lin	St. George's Junior School
Steven	Lu	Chantrell Creek Elementary
Alison	Luo	North York, ON
Faubert	Maroussia	E.S. Paul Gerin-Lajoie D'Outremont
Hermish	Mehta	Camilla Road Sr. P.S.
Alina	Musteata	E.S. Paul Gerin-Lajoie D'Outremont
Lucas	Nicholson	St. Elizabeth Seton C.S.
Lawrence	Pang	William Berczy P.S.
Jay	Parthasarthy	Toronto Montessori Schools
Ethan	Pintar	E.S. Oakville
Daniel	Polotski	College Jean de Brebeuf
Shun-yu	Rao	Katimavik E.S.
Eddie	Ren	Greenbank M.S.
Alec	Sampaleanu	University of Toronto Schools
Jane	Shi	Tom Baines School
Justin	Soanes	E.T. Crowle P.S.
Camryn	Steckel	St. Paul School
Samantha	Steiner-Mayman	Bialik Hebrew Day School
Nicholas	Sullivan	Ashbury College
Caroline	Tang	North York, ON

<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Vinay	Tripathi	Lester B. Pearson P.S.	Waterloo, ON
Daniel	Tudor	University of Toronto Schools	Toronto, ON
Michael	Wan		Markham, ON
Victor	Wang	Tecumseh E.S.	Vancouver, BC
Yijie	Wang	Thomas Street M.S.	Mississauga, ON
Michelle	Williamson	Nipissing-Parry Sound C.D.S.B.	North Bay, ON
Joshua	Windross	Caledon Central P.S.	Caledon, ON
Justin	Wiseman	William Dunbar P.S.	Pickering, ON
Justin	Wong	Henry Larsen E.S	Gloucester, ON
Tianshu	Wu	Dalewood Middle School	Hamilton, ON
Kelvin	Xu	Dalewood Middle School	Hamilton, ON
Joe	Yang		Scarborough, ON
Amily	Yao	Queen Mary Elementary	Vancouver, BC
Han Wen	Yu	College Jean de Brebeuf	Montreal, QC
Jason	Yuen	Macklin P.S.	Scarborough, ON
Anthony	Zhong	Ashbury College	Rockcliffe, ON
Linda Mengyuan	Zhu	Ecole Int'l de Montreal	Westmount, QC
Sabrina	Zhu	Thames Valley D.S.B.	London, ON
Grant		Allan A. Martin P.S.	Mississauga, ON
Tony		Allan A. Martin P.S.	Mississauga, 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>
Mohammed	Al Ali	IQRA Islamic School	Mississauga, ON
Alex	Bie	Charles R. Beaudoin P.S.	Burlington, ON
Richard	Cao	Greystone Heights School	Saskatoon, SK
Michelle	Chung		Mississauga, ON
Sam	Cookson	Harry Miller M.S.	Rothsay, NB
Alexander	Corbett	Shuswap M.S.	Salmon Arm, BC
Yoyo	Ding	Olympic Educational Centre	Vancouver, BC
Yuan Chen	Dou	Don Mills M.S.	North York, ON
Jennifer	Guo		North York, ON
Kevin	Jia	Glashan P.S.	Ottawa, ON
Joshua	Kofsky	The Ottawa Jewish Community School	Ottawa, ON
Kai	Leung	Hillcrest P.S.	Mississauga, ON
Shu Hao	Li	Olympic Educational Centre	Vancouver, BC
Matthew	May	St. Anne's C.S.S.	Clinton, ON
Keaton	Ollech	Glenlyon-Norfolk Sr. S.S.	Victoria, BC
Catherine	Pan	David Thompson S.S.	Vancouver, BC
Noah	Poplov	The Ottawa Jewish Community School	Ottawa, ON
Krishan	Puvitharan	Boxwood P.S.	Markham, ON
Mateen	Qureshi	IQRA Islamic School	Mississauga, ON
Stuart	Reid	Brant Haldimand Norfolk C.D.S.B.	Brantford, ON
Derek	Seo	University of Toronto Schools	Toronto, ON
Tina	Tian	Thomas Street M.S.	Mississauga, ON
Austin	Wang	David Thompson S.S.	Vancouver, BC
Jack	Xu	Tomken Road M.S.	Mississauga, ON
Daniel	Yoo	University of Toronto Schools	Toronto, ON
Sungmin	Youn	Bloordale M.S.	Etobicoke, ON
Yiqun	Zhang	Zion Heights Jr. H.S.	North York, ON

**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>
Mert	Agrali	Bursa Emine Ornek Schools
Burak	Akalin	Odtu Ulkem Koleji
Savascan	Akcay	Bursa Emine Ornek Schools
Altay	Altindis	Odtu Ulkem Koleji
Ayca	Arbay	Takev Private Schools
Artun	Arslan	Bursa Emine Ornek Schools
Bilge	Arslan	Ozel Cakir Ilkogretim Okulu
Ece Derin	Aydin	Takev Private Schools
Mert	Aytunc	Odtu Ulkem Koleji
Meysa	Bagdatli	Ozel Cakir Ilkogretim Okulu
Bartu	Balkis	Bursa Emine Ornek Schools
Gulce	Baysal	Odtu Ulkem Koleji
Zehra	Besiri	Bursa Emine Ornek Schools
Emre	Boluk	Bursa Emine Ornek Schools
Beyzanur	Calik	Bursa Emine Ornek Schools
Atakan	Caliskan	Bursa Emine Ornek Schools
Mehmet	Celik	Bursa Emine Ornek Schools
Muge	Celik	Ozel Cakir Ilkogretim Okulu
Erina Emre	Celikten	Bursa Emine Ornek Schools
Oguzhan	Cesur	Bursa Emine Ornek Schools
Dicle	Ceylan	Takev Private Schools
Robert	Chen	ICAE
Aneesh	Cherukuri	ICAE
Seok Hyun	Chung	Canadian Int'l School
Orkun	Ciydem	Bursa Emine Ornek Schools
Gokhan	Comert	Bursa Emine Ornek Schools
Arda	Dane	Odtu Ulkem Koleji
Ada	Dikici	Bursa Emine Ornek Schools
Ferhat Sarp	Diniz	Bursa Emine Ornek Schools
James	Doredla	ICAE
Dogukan	Efe	Bursa Emine Ornek Schools
Ethan Ho Zi	En	MSO Pte Ltd.
Anil Berk	Erdogan	Bursa Emine Ornek Schools
Sonmez Alp	Eren	Bursa Emine Ornek Schools
Dilay	Esen	Bursa Emine Ornek Schools
Cennet Deniz	Esensu	Bursa Emine Ornek Schools
Filbert	Ferdinand	Surya Institute
Baris	Fergana	Bursa Emine Ornek Schools
Vedant	Gandhewar	ICAE
Akash	Garg	Bergen County Academies
Navjit	Girgla	ICAE
Cigde	Goktas	Bursa Emine Ornek Schools
Mehmet Yigit	Gover	Odtu Ulkem Koleji
Brendon	Gu	Bergen County Academies
Beyza	Gul	Bursa Emine Ornek Schools
Rohan	Gurram	ICAE
Yesim	Hacioglu	Bursa Emine Ornek Schools
Phil	Hsu	Washington H.S
Brian	Hu	ICAE
Jensen	Hwa	ICAE
Irem	Izi	Bursa Emine Ornek Schools
Christopher	Jing	ICAE
Ogus	Kaan	Ozel Cakir Ilkogretim Okulu
Irem	Kale	Bursa Emine Ornek Schools
Irmak Buse	Kamci	Bursa Emine Ornek Schools
Onur	Kara	Bursa Emine Ornek Schools



<b>Name/Nom</b>	<b>School/École</b>	<b>Location/Endroit</b>
Ekin	Karacan	Bilfen Schools
Ece	Karakus	Bursa Emine Ornek Schools
Ceren	Karcebas	Bursa Emine Ornek Schools
Soner	Kasapoglu	Bursa Emine Ornek Schools
Arda Tibet	Kaya	Bilfen Schools
Ece Yesim	Kebabci	Takev Private Schools
Aysu	Keser	Bursa Emine Ornek Schools
Ali Efe	Keskin	Bursa Emine Ornek Schools
Gulce	Keskin	Ozel Cakir Ilkogretim Okulu
Galuh Indra	Kesuma	Surya Institute
Doga	Kilci	Takev Private Schools
Cansu	Kirkose	Private Gulen Primary School
Jayson	Lam	BrainBuilder Malaysia
Daniel	Li	ICAE
Samuel	Lim	MSO Pte Ltd.
Kevin	Lin	Bergen County Academies
Spencer	Liu	ICAE
Afkar	Malik	Surya Institute
Onur	Menderes	Bursa Emine Ornek Schools
Betul Irem	Molla	Bursa Emine Ornek Schools
Sriram	Motheram	ICAE
Ayli	Mukkaddam	Bursa Emine Ornek Schools
Buket	Mutlu	Ozel Cakir Ilkogretim Okulu
Gamze	Nizam	Bursa Emine Ornek Schools
Onur	Oncel	Bursa Emine Ornek Schools
Shermin	Ong	MSO Pte Ltd.
Ayliz	Onur	Bursa Emine Ornek Schools
Isinsu	Ozguney	Takev Private Schools
Tarik	Ozkan	Ozel Cakir Ilkogretim Okulu
Berent	Ozsan	Bursa Emine Ornek Schools
Raviraj	Rege	ICAE
Christofer	Richard	Surya Institute
Mohammedali	Roowala	Bergen County Academies
Yin Chen	Sai	BrainBuilder Malaysia
Shachi	Salvi	ICAE
Abhilash	Samantapudi	ICAE
Sinan	Sar	Takev Private Schools
Irem	Sari	Ozel Cakir Ilkogretim Okulu
Cogla	Selcuk	Bursa Emine Ornek Schools
Neha	Seshadri	ICAE
Kuvam	Shahane	ICAE
Tyler	Shen	Bergen County Academies
Cameron	Sit	Dulwich College
David	Song	Bergen County Academies
Rohith	Srinivas	MSO Pte Ltd.
Robert	Tan	Western Academy of Beijing
Izem	Tayfur	Bursa Emine Ornek Schools
Alexandra	Tretyakova	ICAE
Halil	Tunbak	Private Gulen Primary School
Deniz	Tungdoken	Bursa Emine Ornek Schools
Osman Baris	Turker	Bursa Emine Ornek Schools
Emre	Tuzak	Bursa Emine Ornek Schools
Elif	Ugaroglu	Bursa Emine Ornek Schools
Divya	Venkat	ICAE
Elias	Voss	Western Academy of Beijing
Daniel Alfred	Widjaja	Surya Institute
Alexander	Xue	Bergen County Academies
Christopher	Xue	Bergen County Academies

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<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
Berk Alp	Yakici	Bursa Emine Ornek Schools	Bursa, Turkey
Arthur	Yan	Bergen County Academies	Hackensack, NJ
Madeleine	Yang	ICAE	Troy, MI
Kaan	Yanik	Bursa Emine Ornek Schools	Bursa, Turkey
Simay	Yasbay	Bursa Emine Ornek Schools	Bursa, Turkey
Ahmet Emre	Yeniseker	Bursa Emine Ornek Schools	Bursa, Turkey
Ahmet Kadir	Zeybek	Bursa Emine Ornek Schools	Bursa, Turkey
Freddie	Zhao	ICAE	Troy, MI
Hong Xiang	Zhao	ICAE	Troy, MI
Wayne	Zhao	Bergen County Academies	Hackensack, NJ
Wayne	Zhao	Bergen County Academies	Hackensack, NJ

**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>
Rachel	Duan	Dulwich College	Shanghai, China
Tan Yan	Quan	MSO Pte Ltd.	Singapore
Mahmut Onur	Alhas	FMV Private Erenkoy Isik Schools	Istanbul, Turkey
Zeren	Alpoguz	Bursa Emine Ornek Schools	Bursa, Turkey
Kutay	Armagan	Bursa Emine Ornek Schools	Bursa, Turkey
Berkay	Aydin	Bursa Emine Ornek Schools	Bursa, Turkey
Eylul	Ayhaner	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Kerem	Babacan	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Yudum	Balkanli	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Kelly Anna	Bird	Bursa Emine Ornek Schools	Bursa, Turkey
Muhammet	Bolat	Private Gulen Primary School	Iskenderun Hatay, Turkey
Berk	Cavus	Bursa Emine Ornek Schools	Bursa, Turkey
Lara	Celikyay	Bursa Emine Ornek Schools	Bursa, Turkey
Seral	Cimelek	Private Gulen Primary School	Iskenderun Hatay, Turkey
Beyzanur	Coban	Private Gulen Primary School	Iskenderun Hatay, Turkey
Basak	Dadas	Bursa Emine Ornek Schools	Bursa, Turkey
Ilayda	Demir	Private Gulen Primary School	Iskenderun Hatay, Turkey
Ezgi Belil	Durmus	Bursa Emine Ornek Schools	Bursa, Turkey
Didem	Durukan	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Yigit	Elmacioglu	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Hasan Berk	Ertas	Bursa Emine Ornek Schools	Bursa, Turkey
Efe	Erturk	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Yigit	Erturk	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Emirhan	Esat	Bursa Emine Ornek Schools	Bursa, Turkey
Utku	Ferah	Bursa Emine Ornek Schools	Bursa, Turkey
Damia	Fidan	Bursa Emine Ornek Schools	Bursa, Turkey
Ecem Tuana	Gencer	Bursa Emine Ornek Schools	Bursa, Turkey
Derya	Gur	Bursa Emine Ornek Schools	Bursa, Turkey
Wesley	Hu	Bergen County Academies	Hackensack, NJ
Irem	Ivrendi	Private Gulen Primary School	Iskenderun Hatay, Turkey
Zeynep	Kafadar	Bursa Emine Ornek Schools	Bursa, Turkey
Helen Yunji	Kim	Bergen County Academies	Hackensack, NJ
Young Jun Alex	Kim	Bergen County Academies	Hackensack, NJ
Zeynep Hilal	Koc	FMV Private Erenkoy Isik Schools	Istanbul, Turkey
Pelin	Kucukerdogan	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Dhruv	Maderametla	ICAE	Troy, MI
Arda	Namlegji	Bursa Emine Ornek Schools	Bursa, Turkey
Cemre	Oguz	Private Gulen Primary School	Iskenderun Hatay, Turkey
Ege	Okumus	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Selen	Onbasi	Bursa Emine Ornek Schools	Bursa, Turkey
Koray	Otru	FMV Private Erenkoy Isik Schools	Istanbul, Turkey
Erdem	Oymak	Bursa Emine Ornek Schools	Bursa, Turkey
Yagizhan	Ozdemir	Bursa Emine Ornek Schools	Bursa, Turkey
Begum Lal	Ozhekim	FMV Private Erenkoy Isik Schools	Istanbul, Turkey
Skanda	Palani	ICAE	Troy, MI
Anil	Palepu	ICAE	Troy, MI
Emre	Sadikoglu	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Basak Su	Satir	Bursa Emine Ornek Schools	Bursa, Turkey
Alp	Tarim	Bursa Emine Ornek Schools	Bursa, Turkey
Esin	Tasci	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Kubra	Tufan	Private Gulen Primary School	Iskenderun Hatay, Turkey
Burak Gokberk	Unel	Bursa Emine Ornek Schools	Bursa, Turkey
Cem Batuhan	Yavuz	Bursa Emine Ornek Schools	Bursa, Turkey
Derya	Yavuz	FMV Private Erenkoy Isik Schools	Istanbul, Turkey
Ece	Yerliyurt	Ozel Cakir Ilkogretim Okulu	Bursa, Turkey
Mart	Yugac	Bursa Emine Ornek Schools	Bursa, Turkey