



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION
en MATHÉMATIQUES et en INFORMATIQUE

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2011
Results

2011
Résultats

Pascal Contest
(Grade 9)

Concours Pascal
(9^e année – Sec. III)

Cayley Contest
(Grade 10)

Concours Cayley
(10^e année – Sec. IV)

Fermat Contest
(Grade 11)

Concours Fermat
(11^e année – Sec. V)

UNIVERSITY OF
WATERLOO

WATERLOO
MATHEMATICS

Great-West
COMPAGNIE D'ASSURANCE-VIE



Canada-Vie™

LA PARFAITE ALLIANCE COMMUNAUTAIRE^{MC}

Canadian
Institute of
Actuaries



Institut
canadien
des actuaires

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Maplesoft
Mathematics • Modeling • Simulation

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Personnel du Concours canadien de mathématiques*

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Linda Schmidt
Kim Schnarr
Jim Schurter
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Problems Committees / Comités des problèmes*Pascal Contest / Concours Pascal*

Wally Webster (Chair / président), Dashwood, ON
Lloyd Auckland, St. Thomas, ON
Janet Christ, Walter Murray C.I., Saskatoon, SK
J.P. Pretti, University of Waterloo, Waterloo, ON
Jim Schurter, University of Waterloo, Waterloo, ON
Tyler Somer, Kitchener, ON
Anna Spanik, Halifax West H.S., Halifax, NS
Aaron Warner, St. Mildred's-Lightbourn School, Oakville, ON

Cayley Contest / Concours Cayley

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Tom Barker, Stratford, ON
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Steve Furino, University of Waterloo, Waterloo, ON
Christopher Ing, Vincent Massey S.S., Windsor, ON
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Fermat Contest / Concours Fermat

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Cliff Lelievre, Oakville, ON
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Dan Schnabel, Vaughan S.S., Thornhill, ON
David Shepherd, Ravenna, ON

The Centre for Education in Mathematics and Computing is proud to once again be the major sponsor of the Canadian Mathematics Competition this year. The year 2011 marks the 49th year of Contests produced by the Canadian Mathematics Competition.

Our congratulations go to all who participated in this year's Pascal, Cayley and Fermat Contests. This year's Contests were resounding successes, with averages of 90.5, 86.3 and 87.7 across the three Contests. The number of official contestants with perfect papers on the three Contests were 9, 5 and 3.

As always, we would like to thank the hard-working Problems Committees. Most of the members of these Committees are active secondary school teachers from across Canada who volunteers their time and contribute dozens of hours of expertise. Without their intriguing and sometimes amusing problems, these Contests would not be possible.

We would also like to thank all participants, both teachers and students. We hope that the papers provided you with some interesting mathematics to think about and play with. Thank you for your support! Please continue to encourage your colleagues and fellow students to become involved in our activities.

Le Centre d'éducation en mathématiques et en informatique à encore une fois le plaisir d'être un majeur supporter du Concours canadien de mathématiques. L'année 2011 marque la 49e année de concours produit par le Concours canadien de mathématiques.

Nos félicitations vont à tous les participants du Concours Pascal, Cayley et Fermat de cette année. Les Concours de cette année retentissaient de succès, avec des moyennes de 90,5, 86,3 et 87,7 à travers les trois Concours. Le nombre de candidats officiels possédant un concours parfait était de 9, 5 et 3.

Nous aimerions surtout remercier les Comités de problèmes pour leur dur travail. La plupart des membres de ces Comités sont des enseignant(e)s d'école secondaire actifs d'un bout à l'autre du Canada qui offre leur temps et contribuent des douzaines d'heures d'expertise. Sans leurs problèmes perspicaces et amusants, ces Concours ne seraient pas possibles.

Nous aimerions remercier aussi tous les participants incluant les enseignants et les étudiants. Nous espérons que les concours vous ont offert des mathématiques intéressantes qui vous ont amusées et portées à réfléchir. Merci pour votre soutien continué!

**Number of schools registered by province /
Nombre d'écoles inscrit par province**

	Pascal	Cayley	Fermat
NL	57	48	48
NS	31	23	25
NB	31	31	31
PE	7	6	6
QC	97	103	99
ON	684	673	663
MB	54	49	47
SK	25	25	25
AB	75	44	44
BC	189	184	186
International	85	97	88
Total	1335	1283	1262

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

	Pascal	Cayley	Fermat
NL	1113	723	643
NS	851	534	478
NB	609	550	450
PE	195	118	67
QC	2986	2711	2584
ON	13933	12007	10045
MB	1428	883	753
SK	567	460	313
AB	2257	958	780
BC	5068	4381	3706
International	2760	2755	2278
Total	31767	26080	22097

Total number of students enrolled / Nombre d'inscriptions individuelles: 79944

**2011 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2011**

PASCAL CONTEST / CONCOURS PASCAL

STUDENTS / ÉLÈVES

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

Gold Medals	School	Location	Grade
Médailles d'or	École	Endroit	Niveau
ITAI BAR NATAN	The Abelard School	Toronto	9
OLIVER FEI	Earl of March S.S.	Kanata	9
DONG JIAQI	Don Mills C.I.	North York	9
SAMUEL KIM	Ancaster H.S.	Ancaster	9
QINGFAN LIU	London Central S.S.	London	9
SEAN LUCHEN	University of Toronto Schools	Toronto	8
ERIC PAN	London Central S.S.	London	9
XIAOZE WU	Marc Garneau C.I.	North York	9
JAMESON ZHU	Windermere S.S.	Vancouver	9

TEAMS / ÉQUIPES

	School	Location	Score
	École	Endroit	Note
Champion / Première	London Central S.S.	London	442
Second / Deuxième	University of Toronto Schools	Toronto	436
Third / Troisième	Marc Garneau C.I.	North York	430
Fourth / Quatrième	Bayview S.S.	Richmond Hill	426
Fifth / Cinquième	Glenforest S.S.	Mississauga	425

**2011 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2011**

CAYLEY CONTEST / CONCOURS CAYLEY

STUDENTS / ÉLÈVES

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

Gold Medals	School	Location	Grade
Médailles d'or	École	Endroit	Niveau
XIAOHAN CHEN	Mulgrave School	West Vancouver	10
KEVIN CHO	Sentinel S.S.	West Vancouver	10
ORKUNALP ERKAN	Marion M. Graham C.I.	Saskatoon	10
RUI SONG	Walter Murray C.I.	Saskatoon	10
DANIEL SPIVAK	Bayview S.S.	Richmond Hill	10

TEAMS / ÉQUIPES

	School	Location	Score
	École	Endroit	Note
Champion / Première	Bayview S.S.	Richmond Hill	426
Second / Deuxième	Collège Jean de Brébeuf	Montreal	414
Third / Troisième	Westdale S.S.	Hamilton	413
Fourth / Quatrième	Glenforest S.S.	Mississauga	412
Fifth / Cinquième	Richmond Hill H.S.	Richmond Hill	410
	Victoria Park C.I.	North York	410

**2011 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2011**

FERMAT CONTEST / CONCOURS FERMAT

STUDENTS / ÉLÈVES

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

Gold Medals	School	Location	Grade
Médailles d'or	École	Endroit	Niveau
XIAOYU DENG	Unionville H.S.	Markham	11
ANQI DONG	Walter Murray C.I.	Saskatoon	11
JUN HO JUNG	Vancouver College H.S.	Vancouver	11
DAVID LIANG	A.Y. Jackson S.S.	North York	10
YUE LIU	Fort Richmond C.I.	Winnipeg	11
BART SUH	Lambrick Park S.S.	Victoria	11
ERIC ZHAN	University of Toronto Schools	Toronto	11

TEAMS / ÉQUIPES

	School	Location	Score
	École	Endroit	Note
Champion / Première	University of Toronto Schools	Toronto	424
Second / Deuxième	Unionville H.S.	Markham	415
Third / Troisième	A.Y. Jackson S.S.	North York	414
	Markham District H.S.	Markham	414
Fifth / Cinquième	West Vancouver S.S.	West Vancouver	412

**2011 FERMAT CONTEST PROVINCIAL CHAMPIONS
CHAMPIONS PROVINCIAUX AU CONCOURS FERMAT 2011**

Each student below will receive a \$200 prize / Chaque étudiant ci-dessous recevrait un prix de 200 \$

Province	Student	School	Location
Province	Étudiant	École	Endroit
NL	TIMOTHY ELLIOTT	Mount Pearl Sr. H.S.	Mount Pearl
NS	WONJAE CHO	Halifax Grammar School	Halifax
NS	CHRISTOPHER MITCHELTREE	Halifax West H.S.	Halifax
NS	AMANDA STANTON	Halifax Grammar School	Halifax
NB	ANTONIO MOLINA	Ste. Anne	Fredericton
PE	THUNDER ZHENG	Colonel Gray Sr. H.S	Charlottetown
QC	HENG YU LIN	E.S. St. Luc	Montreal
ON Central	XIAOYU DENG	Unionville H.S.	Markham
ON Est	JAMES RICKARDS	Colonel By S.S.	Gloucester
ON Metro	DAVID LIANG	A.Y. Jackson S.S.	North York
ON Metro	ERIC ZHAN	University of Toronto Schools	Toronto
ON Nord	YUNYU WANG	Sir Winston Churchill C.V.I.	Thunder Bay
ON Ouest	JAY YOUNG WOO	London Central S.S.	London
MB	YUE LIU	Fort Richmond C.I.	Winnipeg
SK	ANQI DONG	Walter Murray C.I.	Saskatoon
AB	MARIYA SARDARLI	Strathcona H.S.	Edmonton
BC	JUN HO JUNG	Vancouver College H.S.	Vancouver
BC	BART SUH	Lambrick Park	Victoria

#	Pascal	Cayley	Fermat
1	B	B	D
2	E	B	A
3	C	A	A
4	B	C	D
5	A	D	C
6	A	B	C
7	B	A	D
8	D	C	B
9	E	D	D
10	C	E	B
11	E	D	E
12	D	B	E
13	A	A	B
14	C	C	D
15	A	A	E
16	D	E	C
17	A	C	E
18	C	A	B
19	E	D	C
20	D	B	A
21	D	E	A
22	C	C	E
23	B	B	A
24	A	A	D
25	A	D	B

Number of Contestants / Nombre de concurrents: 26186

Average mark / Note moyenne: 90.52

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	B	0.31	97.53	0.68	0.71	0.65	0.06	97.60
2	E	0.12	0.69	0.18	0.19	98.56	0.22	98.77
3	C	1.23	0.92	95.92	0.94	0.60	0.34	96.25
4	B	4.15	84.46	1.22	2.35	6.11	1.67	85.89
5	A	90.22	1.00	1.12	4.03	3.23	0.35	90.54
6	A	73.32	9.47	5.24	7.57	2.85	1.50	74.44
7	B	1.70	85.95	5.20	3.36	0.71	3.04	88.65
8	D	1.25	3.03	14.64	76.25	4.41	0.37	76.53
9	E	2.76	4.00	2.98	3.40	84.11	2.69	86.44
10	C	2.62	25.54	55.54	4.57	5.71	5.98	59.07
11	E	11.07	0.93	1.50	3.61	82.10	0.74	82.71
12	D	2.94	4.78	17.68	56.99	6.40	11.16	64.15
13	A	77.31	4.43	5.22	1.60	2.31	9.09	85.04
14	C	5.04	4.04	56.51	11.45	5.32	17.59	68.58
15	A	77.02	0.89	9.38	8.57	1.51	2.58	79.06
16	D	3.07	10.08	17.93	54.92	9.60	4.36	57.42
17	A	59.12	6.51	9.37	3.39	12.57	8.99	64.96
18	C	1.44	8.74	29.97	44.91	1.92	12.98	34.44
19	E	6.26	8.08	17.58	13.49	20.64	33.90	31.22
20	D	14.88	7.55	7.51	22.63	6.93	40.46	38.01
21	D	3.18	4.11	10.30	60.43	8.67	13.26	69.67
22	C	25.10	14.59	28.92	5.35	4.19	21.81	36.98
23	B	9.22	9.67	8.68	6.69	7.44	58.24	23.16
24	A	5.06	7.50	10.82	8.77	10.06	57.74	11.98
25	A	11.85	8.86	11.37	10.44	19.41	38.03	19.12

Number of Contestants / Nombre de concurrents: 21060

Average mark / Note moyenne: 86.33

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	B	0.70	97.62	1.13	0.11	0.37	0.02	97.64
2	B	0.34	97.59	0.20	0.17	1.42	0.21	97.80
3	A	93.09	4.23	1.16	0.33	0.26	0.87	93.91
4	C	0.91	0.51	96.48	0.44	1.09	0.50	96.97
5	D	1.08	13.78	1.43	79.31	1.32	3.01	81.77
6	B	9.43	84.14	0.93	1.87	1.28	2.29	86.12
7	A	82.19	1.46	9.91	0.79	0.92	4.69	86.23
8	C	1.10	12.59	72.39	2.31	10.27	1.29	73.33
9	D	2.61	6.93	2.63	76.73	1.76	9.29	84.59
10	E	1.31	2.58	9.71	14.37	68.96	3.01	71.10
11	D	2.64	5.45	1.46	86.57	1.86	1.97	88.31
12	B	24.67	70.33	1.60	1.57	0.44	1.33	71.28
13	A	65.74	7.87	2.43	2.84	16.03	5.04	69.23
14	C	0.94	5.53	36.49	47.63	0.96	8.39	39.83
15	A	31.94	11.09	6.26	24.89	14.43	11.33	36.03
16	E	7.89	16.52	4.59	13.82	34.79	22.34	44.79
17	C	5.12	5.63	65.95	2.83	6.21	14.21	76.87
18	A	48.27	28.17	2.31	5.65	3.29	12.26	55.01
19	D	4.35	15.78	7.23	39.12	8.22	25.24	52.33
20	B	6.51	12.47	8.07	6.99	6.26	59.64	30.89
21	E	3.11	5.04	7.61	4.52	38.55	41.11	65.46
22	C	5.36	6.72	15.01	7.81	34.88	30.17	21.49
23	B	3.57	8.82	12.56	10.67	9.81	54.52	19.40
24	A	9.88	9.36	14.82	11.85	17.28	36.75	15.62
25	D	4.88	9.67	15.25	6.65	6.62	56.88	15.43

Number of Contestants / Nombre de concurrents: 17349

Average mark / Note moyenne: 87.65

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

#	Correct Answer/ Bonne Réponse	A	B	C	D	E	% not attempted/ % sans réponse	% correct of attempted % tentatives réussies
1	D	1.27	0.63	2.27	95.19	0.34	0.26	95.43
2	A	97.04	0.35	0.81	0.60	1.07	0.09	97.13
3	A	96.33	0.56	0.97	0.49	1.19	0.43	96.74
4	D	1.73	4.99	2.33	88.26	2.37	0.28	88.51
5	C	0.85	1.52	93.38	0.77	1.82	1.63	94.92
6	C	0.79	0.84	88.92	8.31	0.20	0.91	89.74
7	D	17.59	5.21	4.27	69.91	1.18	1.80	71.20
8	B	21.37	74.37	1.33	1.52	0.49	0.89	75.04
9	D	2.50	9.75	16.28	59.80	8.92	2.72	61.47
10	B	0.59	89.96	2.63	0.47	3.01	3.30	93.04
11	E	7.06	12.98	5.12	12.96	41.65	20.20	52.18
12	E	6.62	2.63	5.28	5.36	65.84	14.23	76.77
13	B	7.82	71.59	3.52	6.69	2.04	8.30	78.08
14	D	17.18	9.42	3.57	61.66	3.70	4.43	64.52
15	E	8.73	7.31	3.67	3.41	64.71	12.14	73.65
16	C	5.69	19.60	27.72	9.10	3.85	34.00	42.00
17	E	1.98	2.66	4.20	8.38	56.89	25.86	76.74
18	B	14.27	59.84	3.68	5.75	9.83	6.60	64.07
19	C	8.51	2.40	33.33	20.17	2.17	33.39	50.03
20	A	25.69	9.01	3.04	5.35	2.40	54.48	56.43
21	A	24.07	7.48	4.96	9.33	10.59	43.53	42.63
22	E	8.36	6.58	9.66	7.04	14.39	53.93	31.23
23	A	7.21	9.57	19.07	10.80	12.31	41.02	12.22
24	D	6.88	6.43	7.19	7.60	6.43	65.43	21.99
25	B	5.84	5.85	7.99	9.50	10.13	60.64	14.86

Student Rankings

Classements des élèves

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position	Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
150	1	1	1	99	7794	4740	4083
149				98	8240	4930	4320
148				97	8713	5305	4604
147				96	9208	5568	4861
146				95	9675	5948	5155
145	10		4	94	10126	6243	5484
144	11	6	5	93	10642	6617	5799
143				92	11122	6880	6076
142	17	8	8	91	11572	7248	6431
141	58			90	12104	7543	6741
140				89	12560	7948	7006
139	59			88	13090	8348	7353
138	62	16	26	87	13541	8741	7701
137	84		39	86	14004	9045	8049
136	99	19	46	85	14472	9434	8372
135	155			84	14878	9783	8657
134	156	35	78	83	15327	10167	8939
133	246	70	119	82	15734	10542	9283
132	250	72	121	81	16137	10901	9613
131	303	95	140	80	16522	11250	9936
130	315	99	151	79	16907	11610	10207
129	387	140	197	78	17239	11963	10437
128	414	142	209	77	17618	12321	10716
127	539	217	274	76	17983	12667	10999
126	563	227	279	75	18301	12991	11256
125	722	319	357	74	18612	13318	11475
124	761	330	377	73	18931	13617	11695
123	913	416	435	72	19228	13901	11917
122	969	429	465	71	19546	14218	12178
121	1166	571	549	70	19824	14513	12392
120	1245	596	587	69	20081	14792	12584
119	1479	817	696	68	20313	15036	12772
118	1555	841	735	67	20538	15313	12922
117	1787	1020	866	66	20776	15554	13105
116	1896	1051	911	65	21000	15788	13299
115	2206	1251	1025	64	21163	16009	13441
114	2354	1309	1086	63	21355	16225	13586
113	2683	1587	1263	62	21523	16444	13710
112	2851	1645	1349	61	21682	16618	13840
111	3204	1899	1530	60	21850	16794	13952
110	3421	1980	1633	59	21978	16954	14045
109	3813	2248	1840	58	22109	17089	14147
108	4091	2352	1945	57	22227	17239	14235
107	4537	2674	2159	56	22348	17360	14325
106	4800	2794	2314	55	22469	17475	14409
105	5264	3138	2582	54	22584	17597	14497
104	5576	3259	2714	53	22687	17698	14559
103	5997	3597	3011	52	22758	17795	14633
102	6346	3766	3230	51	22833	17893	14699
101	6862	4154	3522	50	22913	17954	14763
100	7295	4332	3752	49	22980	18029	14817

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
48	23041	18099	14869
47	23093	18151	14908
46	23149	18207	14957
45	23196	18245	14996
44	23240	18296	15033
43	23280	18328	15061
42	23318	18361	15077
41	23353	18403	15105
40	23392	18437	15134
39	23412	18453	15164
38	23436	18476	15183
37	23455	18496	15194
36	23478	18521	15210
35	23507	18549	15228
34	23517	18566	15240
33	23531	18575	15248
32	23540	18586	15261
31	23549	18603	15275
30	23556	18609	15279
29	23561	18622	15286
28	23569	18630	15288
27	23572	18633	15296
26	23575	18641	15301
25	23579	18644	15305
24	23585	18647	15310
23	23588	18649	15313
22	23592	18651	15314
21	23595	18653	15317
20	23597	18657	15320
19	23602	18660	15322
18	23604		15324
17	23606	18662	15326
16	23607	18663	15328
15		18664	15331
14			15336
13			
12	23608		15337
11	23609		
10			

N.B. These rankings pertain to official contestants only /

N.B. Ces rangs se rapportent seulement aux concurrents officiels

Scores/ Notes	Pascal # of Schools/ N° d'écoles	Cayley # of Schools/ N° d'écoles	Fermat # of Schools/ N° d'écoles
440 - 450	1	0	0
430 - 439	2	0	0
420 - 429	4	1	1
410 - 419	17	5	5
400 - 409	19	3	14
390 - 399	29	20	23
380 - 389	36	26	16
370 - 379	49	31	22
360 - 369	72	39	33
350 - 359	81	51	46
340 - 349	93	66	63
330 - 339	102	71	65
320 - 329	111	85	81
310 - 319	89	69	84
300 - 309	94	78	94

Number of three student teams / Nombre d'équipes de trois élèves

Pascal Contest / Concours Pascal: 980

Cayley Contest / Concours Cayley: 925

Fermat Contest / Concours Fermat: 921



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2011
Results

2011
Résultats

Pascal Contest
(Grade 9)

Concours Pascal
(9^e année – Sec. III)

Cayley Contest
(Grade 10)

Concours Cayley
(10^e année – Sec. IV)

Fermat Contest
(Grade 11)

Concours Fermat
(11^e année – Sec. V)

Fermat Contest Honour Rolls
Palmarès pour le concours Fermat

2011
Fermat Contest/Concours Fermat
Team List/Palmarès d'équipes

Rank/ Rang	School/ École	City/Ville	Score
1	University of Toronto Schools	Toronto	424
2	Unionville H.S.	Markham	415
3	A.Y. Jackson S.S.	North York	414
3	Markham District H.S.	Markham	414
5	Walter Murray C.I.	Saskatoon	412
6	West Vancouver S.S.	West Vancouver	410
7	Bell H.S.	Nepean	409
8	Bayview S.S.	Richmond Hill	408
8	Pinetree S.S.	Coquitlam	408
8	St. George's School	Vancouver	408
11	Thornhill S.S.	Thornhill	407
11	Upper Can Col-Upper School	Toronto	407
13	North Toronto C.I.	Toronto	406
13	University Transition Program	Vancouver	406
15	Colonel By S.S.	Gloucester	404
16	The Woodlands School	Mississauga	403
17	Don Mills C.I.	North York	402
18	Waterloo C.I.	Waterloo	401
19	Richmond Hill H.S.	Richmond Hill	400
19	Vancouver College H.S.	Vancouver	400
21	Lambrick Park	Victoria	399
21	York Mills C.I.	North York	399
23	College Jean de Brebeuf	Montreal	398
23	New Westminster S.S.	New Westminster	398
23	Pacific Academy	Surrey	398
23	Sentinel S.S.	West Vancouver	398
23	Sir Winston Churchill S.S.	Vancouver	398
23	Western Canada H.S.	Calgary	398
29	Victoria Park C.I.	North York	397
30	Burnaby North S.S.	Burnaby	396
30	Henry Wise Wood Sr. H.S	Calgary	396
30	Holy Trinity School	Richmond Hill	396
30	Marc Garneau C.I.	North York	396
34	Glenforest S.S.	Mississauga	395
34	Old Scona Academic H.S.	Edmonton	395
36	Crofton House School	Vancouver	394
36	E.S. St. Luc	Montreal	394
36	St. Michael's Univ. School	Victoria	394
39	London Central S.S.	London	392
39	Richmond S.S.	Richmond	392
39	Vincent Massey S.S.	Windsor	392
39	White Oaks S.S.	Oakville	392
43	Point Grey S.S.	Vancouver	390
44	Magee S.S.	Vancouver	389
45	Burnaby South S.S.	Burnaby	388
45	Fort Richmond C.I.	Winnipeg	388
45	William Lyon Mackenzie C.I.	North York	388
48	Lord Byng S.S.	Vancouver	387
49	Kitsilano S.S. (English)	Vancouver	386
49	Vaughan S.S.	Thornhill	386
49	York Memorial C.I.	York	386

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Name/Nom		School/École	Location/ Endroit	Grade/Niveau
Group I/Groupe I		Scores/Notes 150 - 143		
DENG	XIAOYU	Unionville H.S.	Markham	11
DONG	ANQI	Walter Murray C.I.	Saskatoon	11
JUNG	JUN HO	Vancouver College H.S.	Vancouver	11
LIANG	DAVID	A.Y. Jackson S.S.	North York	10
LIU	YUE	Fort Richmond C.I.	Winnipeg	11
SUH	BART	Lambrick Park	Victoria	11
ZHAN	ERIC	University of Toronto Schools	Toronto	11
Group II/Groupe II		Scores/Notes 142 - 139		
BAI	GEORGE	University of Toronto Schools	Toronto	11
CHEN	JEFFERY	Sir William Mulock S.S.	Newmarket	11
CHO	T RAYMOND	West Vancouver S.S.	West Vancouver	11
KANG	DONG WON	North Toronto C.I.	Toronto	10
LEE	JAE JOON	Shawnigan Lake School	Shawnigan Lake	10
LIM	URSULAANNE	Burnaby North S.S.	Burnaby	10
LIN	HENG YU	E.S. St. Luc	Montreal	11
LIU	YI	York Mills C.I.	North York	11
RICKARDS	JAMES	Colonel By S.S.	Gloucester	11
SARDARLI	MARIYA	Strathcona H.S.	Edmonton	11
SITHAMPARAP	ARUN	Markham District H.S.	Markham	11
TANG	HENRY HENG	Bayview S.S.	Richmond Hill	11
TEITELBAUM	JORDAN	Tanenbaum CHAT	Maple	11
WEI	RAN	New Westminster S.S.	New Westminster	11
XU	ALLEN	Marc Garneau C.I.	North York	11
YU	STEVEN	Pinetree S.S.	Coquitlam	11
ZHANG	TOMMY	Richmond S.S.	Richmond	11
ZHAO	TIANCHEN	Point Grey S.S.	Vancouver	11
Group III/Groupe III		Scores/Notes 138 - 135		
ARAWINDAN	ARJUN	University of Toronto Schools	Toronto	11
BRENNAN	MATTHEW	Upper Can Col-Upper School	Toronto	11
CAMARGO	JAYSON	Holy Trinity C.S.S.	Oakville	11
CHAN	MICHAEL C	Thornhill S.S.	Thornhill	11
CHEN	ERHAO	Unionville H.S.	Markham	11
CHEN	GREGORY	Thornhill S.S.	Thornhill	11
CHU	WEILIAN	Old Scona Academic H.S.	Edmonton	10
GAGNE	ALEXANDER	University Transition Program	Vancouver	10
GO	HARRY	R.E. Mountain S.S.	Langley	11
HAHM	JINWOO	White Oaks S.S.	Oakville	11
HUI	DANIEL	Windsor S.S.	North Vancouver	11
KIM	CHAN	St. George's School	Vancouver	11
KIM	WILLIAM	St. George's School	Vancouver	11
KONG	NATHAN	Upper Can Col-Upper School	Toronto	11
KUNG	TING KAI	Centennial S.S.	Coquitlam	11
LAM	KATE	Richmond Hill H.S.	Richmond Hill	11
LEE	JASON	The Woodlands School	Mississauga	11
LI	BAI	Henry Wise Wood Sr. H.S	Calgary	11
LI	JIANXIA	Vaughan S.S.	Thornhill	11
LI	SIMON	Bell H.S.	Nepean	11
LI	WEN BO	Oakville Trafalgar H.S.	Oakville	11
LIN	YI	Don Mills C.I.	North York	11

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Group III/Groupe III

Scores/Notes 138 - 135

LIU	DORIS YANG	David Thompson S.S.	Vancouver	11
LIU	QIAOZHI	Prince of Wales S.S.	Vancouver	11
LUO	KEVIN	Eric Hamber S.S.	Vancouver	11
MA	KIM	York Memorial C.I.	York	10
PAN	DAVID	Kitsilano S.S. (English)	Vancouver	11
PARK	JULIE	Crofton House School	Vancouver	11
PENG	LAURYN	Bell H.S.	Nepean	11
PIRA	SHAMIR	University of Toronto Schools	Toronto	10
RAMSDEN	SOPHIE	Sentinel S.S.	West Vancouver	11
SALAZAR	JULIAN	Henry Wise Wood Sr. H.S	Calgary	11
SHI	HAINIAN	West Point Grey Academy	Vancouver	11
SONG	CINDY	Bell H.S.	Nepean	11
SUN	JING PU	College Jean de Brebeuf	Montreal	11
TAN	CAROLYN	Bayview S.S.	Richmond Hill	11
TONG	FREID	The Woodlands School	Mississauga	11
WANG	ALEX	A.Y. Jackson S.S.	North York	11
WANG	JESSE	Victoria Park C.I.	North York	11
WANG	JUSTIN	University of Toronto Schools	Toronto	10
WONG	ANNETTE	William Lyon Mackenzie C.I.	North York	11
WOO	JAY YOUNG	London Central S.S.	London	11
WU	BRYAN	Pacific Academy	Surrey	11
YI	YEJIN	University Transition Program	Vancouver	9
YING	LESLIE	University of Toronto Schools	Toronto	10
YU	MICHAEL	Bell H.S.	Nepean	11
YU	SUN WOO	Heritage Woods Secondary	Port Moody	11
ZHANG	AMY	Markham District H.S.	Markham	11
ZHANG	WEN MENG	Rick Hansen S.S.	Mississauga	11
ZHENG	CHENGBIN	North Toronto C.I.	Toronto	11
ZHOU	KEVIN	Woburn C.I	Scarborough	11
ZHU	JIASHI	Royal St. George's College	Toronto	11

Group IV/Groupe IV

Scores/Notes 134 - 132

AHN	ERIC	West Vancouver S.S.	West Vancouver	11
ALBOGATCHIEV	ADAM	Glenforest S.S.	Mississauga	11
AN	SEUNGJIN	St. Andrew's College	Aurora	11
AWAN	RIZWAN	Gloucester H.S.	Gloucester	11
BOONE	JOCELYNE	Western Canada H.S.	Calgary	11
BUTERIN	VITALIK	The Abelard School	Toronto	11
CAO	RUN ZE	Martingrove C.I.	Etobicoke	11
CHIEN	WILLIS	Point Grey S.S.	Vancouver	11
DENG	CHENEY	Bodwell H.S.	North Vancouver	11
FARSHCHIZARABI	SAHAR	St. Joseph's Morrow Park H.S.	North York	11
FEHR	LUKAS	Walter Murray C.I.	Saskatoon	11
FENG	KAREN	Vincent Massey S.S.	Windsor	11
FRIEDMAN	TAL	Thornhill S.S.	Thornhill	11
GAUTHIER	LOUIS	Seminaire de Sherbrooke	Sherbrooke	11
GOH	EUGENE	Magee S.S.	Vancouver	11
GUAN	YUN JIA	University of Toronto Schools	Toronto	11
GUPTA	ADARSH	University of Toronto Schools	Toronto	11
HAN	XU	Waterloo C.I.	Waterloo	11
HU	XUNYANG	Sir Winston Churchill S.S.	Vancouver	11
HUANG	HAI XU	Don Mills C.I.	North York	11
HUANG	ISABELLA	Holy Trinity School	Richmond Hill	11
KIM	DONG KYU	Pacific Academy	Surrey	11
KIM	JOOHEE	Crofton House School	Vancouver	11

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Group IV/Groupe IV

Scores/Notes 134 - 132

LANKAGE	CHALINI	University of Toronto Schools	Toronto	11
LEE	ALEX	Waterloo C.I.	Waterloo	10
LEE	JONGJUNE	Upper Can Col-Upper School	Toronto	11
LEE	KYUHO	Westmount C.I.	Thornhill	11
LEE	WOOJUNG	St. Michael's Univ. School	Victoria	11
LI	ALICE	Sarnia Northern C.I. & V.S.	Sarnia	11
LI	FRANK	University of Toronto Schools	Toronto	11
LI	GEORGE	Western Canada H.S.	Calgary	11
LIANG	MEGAN	Western Canada H.S.	Calgary	11
LIU	JACKIE	Sir Winston Churchill S.S.	Vancouver	11
LIU	JERRY	Waterloo C.I.	Waterloo	10
LYE	CAROLYN	Sentinel S.S.	West Vancouver	11
MOHSENPOUR	MOHSEN	Thornhill S.S.	Thornhill	11
MOLINA	ANTONIO	Ste. Anne	Fredericton	9
MOON	CLAIRE	T.A. Blakelock H.S.	Oakville	11
NASSIF	MATHIEU	College Jean de Brebeuf	Montreal	11
NG	MATTHEW	St. Francis Xavier S.S.	Mississauga	11
NI	GRACE	Lakefield College School	Lakefield	11
PARK	STANLEY	Pinetree S.S.	Coquitlam	11
SHLYAKHTOV	ARTEM	Colonel By S.S.	Gloucester	11
SU	DAVID	Vaughan S.S.	Thornhill	11
SUKMADJI	ALVIN Y	Earl Haig S.S.	North York	11
SUN	YISHI	White Oaks S.S.	Oakville	11
SUNG	KI WOONG	Eric Hamber S.S.	Vancouver	11
TAM	MANDY	Burnaby South S.S.	Burnaby	11
TANG	JOHNNY	Markham District H.S.	Markham	9
WANG	AARON	Holy Trinity School	Richmond Hill	11
WANG	BLAIR	Burnaby North S.S.	Burnaby	10
WANG	HARRIS	Old Scona Academic H.S.	Edmonton	11
WU	WEIYAN	University Transition Program	Vancouver	9
XIA	QING XIAO	St. George's School	Vancouver	11
XU	DAVID	Richmond Hill H.S.	Richmond Hill	11
YOU	HYUHSEUNG	West Vancouver S.S.	West Vancouver	11
YU	MENG TSUN	Lambrick Park	Victoria	11
ZHANG	JUNCHEN	Pierre Elliott Trudeau H.S.	Markham	11
ZHAO	BILL	A.Y. Jackson S.S.	North York	11
ZHU	HENRY	Pinetree S.S.	Coquitlam	11
ZHU	JIA LIN	Unionville H.S.	Markham	11
ZUNG	JESSICA	University of Toronto Schools	Toronto	11

Group V/Groupe V

Scores/Notes 131 - 128

BAEK	SEAYEON	Pinetree S.S.	Coquitlam	11
BEIGI	ARSHIA	West Vancouver S.S.	West Vancouver	11
CHAN	NEVILLE	University of Toronto Schools	Toronto	11
CHEN	KE	College Jean de Brebeuf	Montreal	10
CHEN	KOLYA	West Point Grey Academy	Vancouver	11
CHEN	WINNI E	Claremont S.S.	Victoria	11
CHEN	YATING	St. John's Kilmarnock School	Breslau	11
CHENG	RAYMOND	Sir Winston Churchill S.S.	Vancouver	11
CHENGJIE	LI	Sir John A. Macdonald S.S.	Hamilton	11
CHEUNG	IVAN	St. George's School	Vancouver	11
CHEUNG	JASON	University of Toronto Schools	Toronto	10
CHI	LESLIE	Seaquam S.S.	Delta	10
CHIU	PANG CHIEH	St. George's School	Vancouver	11
CHO	WONJAE	Halifax Grammar School	Halifax	11

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 131 - 128

CHOI	DAVID	St. George's School	Vancouver	11
CHOW	KELVIN	Bayview S.S.	Richmond Hill	11
COUTU	YAN	E.S. des Sources	Dollard-des-Ormeaux	11
CREME	MATTHEW	Bialik H.S.	Cote Saint-Luc	11
DALGLISH	LUCY	University of Toronto Schools	Toronto	11
DANG	MAX	College Durocher/St-Lambert	Saint-Lambert	11
DING	PETER	St. George's School	Vancouver	11
DU	RICHARD		North York	8
FAN	KYLE	Richmond Hill H.S.	Richmond Hill	11
FENG	YUANCHEN	Western Canada H.S.	Calgary	11
FUNG	ALEXANDER	University of Toronto Schools	Toronto	11
FUNG	HO YI	Glenforest S.S.	Mississauga	11
GATEA	ALEXANDRU	Waterloo C.I.	Waterloo	10
GE	YANG	Mulgrave School	West Vancouver	11
GERSHON	ARIK	William Lyon Mackenzie C.I.	North York	11
GU	CHANGHAO	Meadowvale S.S.	Mississauga	11
GU	HENR Y	Don Mills C.I.	North York	11
HAN	ANGELA	Richmond Hill H.S.	Richmond Hill	11
HIGGINBOTHAM	STEWART	Marc Garneau C.I.	North York	11
HO	HUNG YAT	Brentwood College School	Mill Bay	11
HSU	POLI N	Charles P. Allen H.S.	Bedford	11
HU	DYLAN	Pinetree S.S.	Coquitlam	11
HU	HAOYANG	Semiahmoo S.S.	Surrey	11
HU	JINGCHAN	Sir Winston Churchill S.S.	Vancouver	11
HUANG	YINGYING	Trafalgar Castle School	Whitby	11
JANG	JINYEOP	Westmount C.I.	Thornhill	11
JEONG	JUSTIN	London Central S.S.	London	10
JIA	KEVIN	University of Toronto Schools	Toronto	11
JIA	ZITONG	Stouffville D.H.S.	Stouffville	11
JIANG	ZICHEN	Bell H.S.	Nepean	10
KIM	CHRISTINA	St. Michael's Univ. School	Victoria	11
KIM	JUNGYEON	Terry Fox Secondary	Port Coquitlam	11
KIM	MIKE	Riverside S.S.	Port Coquitlam	11
KIM	YUNJAE	Lisgar C.I.	Ottawa	11
LAM	JANET	Moscrop S.S.	Burnaby	11
LAZAROU	CONOR	Campbell C.I.	Regina	11
LEE	JOSHUA	Crescent School	North York	11
LEE	RYAN	University of Toronto Schools	Toronto	11
LEE	TIMOTHY	Walnut Grove S.S.	Langley	11
LEUNG	ANDREW	Crescent School	North York	11
LI	DAYE	Waterloo C.I.	Waterloo	11
LI	HANS	Port Credit S.S.	Mississauga	11
LI	JOANNE	Victoria Park C.I.	North York	11
LI	SIMON ANG	Glenforest S.S.	Mississauga	11
LI	XIN YAO	College Jesus Marie de Sillery	Quebec	11
LI	YALUN	L'Amoreaux C.I.	Scarborough	11
LI	YEUNG JOHN	Collingwood School	West Vancouver	11
LIM	ASHLEY	Toronto Dist. Christian H.S.	Woodbridge	11
LIM	HYUN SUK	University of Toronto Schools	Toronto	10
LIN	TIMOTHY	R.C. Palmer S.S.	Richmond	11
LIU	ANTHONY	Victoria Park C.I.	North York	11
LIU	DAVID	Colonel By S.S.	Gloucester	11
LIU	HENRY	Sir Winston Churchill S.S.	Vancouver	11
LIU	YIFAN	Lord Byng S.S.	Vancouver	11
LU	DAVID	Pinetree S.S.	Coquitlam	11
LU	LINGXIAO	Magee S.S.	Vancouver	11
LUENGO MOLERO	JAVIER	Redeemer Christian H.S.	Nepean	11

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 131 - 128

LUK	CLARISSA	Havergal College	North York	11
MAILHOT	ANTOINE	Seminaire de Sherbrooke	Sherbrooke	11
MITCHELTREE	CHRISTOPHE	Halifax West H.S.	Halifax	11
PAHIL	KARANBIR	Sydney Academy	Sydney	11
PENG	JEFFREY	Centennial Collegiate	Saskatoon	11
PHAN	TRUCHA	York Memorial C.I.	York	11
QIN	HUNTER	Vincent Massey S.S.	Windsor	11
REN	JING	Pickering College	Newmarket	11
RITCHIE	LUC	North Grenville D.H.S.	Kemptville	11
RUZGAR	NENSI	Northern S.S.	Toronto	10
SARASWAT	RAMIT	Vincent Massey S.S.	Windsor	11
SCHIEFER	NICHOLAS	Holy Trinity School	Richmond Hill	11
SEO	SUSIE		coquitlam	11
SHANG	VICTOR	St. Michael's Univ. School	Victoria	11
SHEN	SIRUI	Vincent Massey S.S.	Windsor	11
SHI	JAMES	Pinetree S.S.	Coquitlam	11
SHIM	HYUN SEO	Pinetree S.S.	Coquitlam	11
SHIN	HUE	Holy Cross Reg. H.S.	Surrey	11
SHIN	JAEHO	York Mills C.I.	North York	11
SHIN	JOHN	The Woodlands School	Mississauga	11
SHU	CHARLES	Sir Winston Churchill S.S.	Vancouver	11
SMITH	RORY	Sentinel S.S.	West Vancouver	11
ST JEAN	SEBASTIEN	College St. Alexandre	Gatineau	11
STANTON	AMANDA	Halifax Grammar School	Halifax	11
SU	WEIYI	Johnston Heights Jr. S.S.	Surrey	11
SUN	LIHE	H.B. Beal S.S.	London	11
TAN	JANE	Burnaby South S.S.	Burnaby	11
TANG	WILLIAM	University of Toronto Schools	Toronto	11
TOM	JADEN	Robert Bateman H.S.	Burlington	11
TONG	YUE	Pensionnat Saint-Nom-De-Mari	Outremont	11
VEIRA	NEIL	Richview C.I.	Etobicoke	11
WANG	CHRISTINA	Unionville H.S.	Markham	11
WANG	CODY	Western Canada H.S.	Calgary	11
WANG	JIAN	Sir John A. Macdonald C.I.	Scarborough	11
WANG	YUNYU	Sir Winston Churchill C.V.I.	Thunder Bay	11
WANG	ZIHAO	Lord Byng S.S.	Vancouver	11
WIXSON	TYLER	The Country Day School	King City	11
WU	LINLIANG	Bayview S.S.	Richmond Hill	11
XI	ZECHUAN	Lord Byng S.S.	Vancouver	11
XUE	JACK	Lord Byng S.S.	Vancouver	11
XUE	JENNY	Moira S.S.	Belleville	11
YANG	JOHN	Seaquam S.S.	Delta	10
YANG	LIAH	Riverside S.S.	Port Coquitlam	11
YANG	NANCY	Pacific Academy	Surrey	11
YAO	HUANYAN	Lord Byng S.S.	Vancouver	11
YI	HAOMING	Dr. Norman Bethune C.I.	Scarborough	11
YINGJIE	QIAN	Bulkley Valley Christian School	Smithers	11
YU	DAVID	Vincent Massey S.S.	Windsor	11
YU	ELISHA	Moscrop S.S.	Burnaby	11
ZHANG	BRENT	North Toronto C.I.	Toronto	11
ZHANG	JIMMY	Nelson H.S.	Burlington	11
ZHANG	KAI LIANG	Upper Can Col-Upper School	Toronto	11
ZHANG	PETER	University of Toronto Schools	Toronto	11
ZHANG	YIYUE	Lord Byng S.S.	Vancouver	11
ZHAO	JONATHAN	North Toronto C.I.	Toronto	11
ZHAO	TONY	New Westminster S.S.	New Westminster	11
ZHENG	STEVEN	R.C. Palmer S.S.	Richmond	11

2011
Fermat Contest/Concours Fermat
Student Rankings/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 131 - 128

ZHOU	CASSIE	Western Canada H.S.	Calgary	11
ZHOU	CHENGHUI	Walter Murray C.I.	Saskatoon	11
ZHU	MANDY	Bayview S.S.	Richmond Hill	11
ZHU	XINWEN	Royal West Academy	Montreal-Ouest	11
ZONG	TED	Victoria Park C.I.	North York	11
ZOU	JIAWEI	Sir Winston Churchill S.S.	Vancouver	11