



**2009**  
**Results**

**2009**  
**Résultats**

**Pascal Contest**  
(Grade 9)

**Concours Pascal**  
(9<sup>e</sup> année – Sec. III)

**Cayley Contest**  
(Grade 10)

**Concours Cayley**  
(10<sup>e</sup> année – Sec. IV)

**Fermat Contest**  
(Grade 11)

**Concours Fermat**  
(11<sup>e</sup> année – Sec. V)

*Avec la contribution de:*



*Avec la participation de:*



LA PARFAITE ALLIANCE COMMUNAUTAIRE<sup>SM</sup>



---

*Centre for Education in Mathematics and Computing Faculty and Staff /  
Personnel du Concours canadien de mathématiques*

Ed Anderson  
Lloyd Auckland  
Terry Bae  
Janet Baker  
Steve Brown  
Jennifer Couture  
Frank DeMaio  
Marie-Pascale Desjardins  
Fiona Dunbar  
Jeff Dunnett  
Mike Eden  
Barry Ferguson  
Judy Fox  
Steve Furino  
Sandy Graham  
Angie Hildebrand  
Judith Koeller  
Joanne Kursikowski  
Angie Murphy  
Dean Murray  
Jen Nissen  
J.P. Pretti  
Linda Schmidt  
Kim Schnarr  
Jim Schurter  
Carolyn Sedore  
Ian VanderBurgh  
Troy Vasiga

*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  
Nerissa Coronel, St. Marguerite d'Youville C.S.S., Brampton, ON  
JP 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

*Cayley Contest / Concours Cayley*

Jeff Anderson (Chair / président), Forest Heights C.I., Kitchener, ON  
Tom Barker, Stratford, ON  
Steve Furino, University of Waterloo, Waterloo, ON  
Shawn Godin, Cairine Wilson S.S., Orleans, ON  
Catherine Haines, Toronto, ON  
Christopher Ing, Vincent Massey S.S., Windsor, ON  
Jack Koenka, Toronto, ON  
Jen Nissen, University of Waterloo, Waterloo, ON

*Fermat Contest / Concours Fermat*

Paul Fennell (Chair / président), London, ON  
Fiona Dunbar, University of Waterloo, Waterloo, ON  
Steve Lau, John Diefenbaker S.S., Hanover, ON  
Cliff Lelievre, Oakville, ON  
Dean Murray, University of Waterloo, Waterloo, ON  
Alexandru Pintilie, Crescent School, Toronto, ON  
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 2009 marks the 47th 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 average of 87.9, 90.0 and 85.1 across the three Contests. The number of students with perfect papers on the three Contests were 5, 19 and 3. We are very pleased with these results. The overall number of students writing this year's papers showed a small increase over that from 2008.

Again this year, individual school results were available online in "real time" as we scanned and marked forms. As a result, we were able to have some students' scores available within two days of the Contests. We hope that it is helpful to you to get such quick feedback.

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 2009 marque la 47e 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 87,9, 90,0 et 85,1 à travers les trois Concours. Le nombre d'étudiants possédant un concours parfait était de 5, 19 et 3. Nous sommes satisfait de ces résultats. L'ensemble du nombre de participants cette année a montré une petite augmentation comparée à 2008.

Encore une fois cette année, les résultats d'école étaient disponible en ligne au fur et à mesure que nous avons balayé et corrigé les formulaires de réponses. Par conséquent, nous avons les résultats pour beaucoup des étudiants disponibles deux jours après les Concours. Nous espérons qu'il vous est utile de recevoir des résultats aussi rapidement.

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	55	50	50
NS	38	28	28
NB	32	31	32
PE	7	4	4
QC	105	102	103
ON	664	641	642
MB	46	47	48
SK	38	35	35
AB	87	39	46
BC	199	188	184
International	68	74	72
Total	1339	1239	1244

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

	Pascal	Cayley	Fermat
NL	1114	818	724
NS	1305	620	612
NB	749	745	558
PE	184	73	66
QC	3214	2986	2548
ON	14699	12039	10502
MB	1404	990	838
SK	707	583	516
AB	2646	766	726
BC	5858	4831	4277
International	2601	2338	1829
Total	34481	26789	23196

**Total number of students enrolled / Nombre d'inscriptions individuelles: 84466**

**2009 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2009**

**PASCAL CONTEST / CONCOURS PASCAL**

**STUDENTS / ÉLÈVES**

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

<b>Gold Medals</b>	School	Location	Grade
<b>Médailles d'or</b>	École	Endroit	Niveau
ANQI DONG	Walter Murray C.I.	Saskatoon	9
ANDY LI	Moscrop S.S.	Burnaby	9
MATHIEU NASSIF	College Jean de Brebeuf	Montreal	9
COLIN TA	Windermere S.S.	Vancouver	9
HENG TANG	Bayview S.S.	Richmond Hill	9

**TEAMS / ÉQUIPES**

	School	Location	Score
	École	Endroit	Note
Champion / Première	University of Toronto Schools	Toronto	427
Second / Deuxième	College Jean de Brebeuf	Montreal	424
Third / Troisième	Walter Murray C.I.	Saskatoon	422
Fourth / Quatrième	Glenforest S.S.	Mississauga	421
Fifth / Cinquième	Colonel By S.S.	Gloucester	420

**2009 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2009**

**CAYLEY CONTEST / CONCOURS CAYLEY**

**STUDENTS / ÉLÈVES**

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

<b>Gold Medals</b>	School	Location	Grade
<b>Médailles d'or</b>	École	Endroit	Niveau
JOSEPH ALACCHI	Loyola H.S.	Montreal	10
KEVIN CHU	Moscrop S.S.	Burnaby	10
JAY DOU	Moira S.S.	Belleville	10
JIMMY FANG	St. Robert C.H.S.	Thornhill	10
AILEEN GAO	Sir Winston Churchill S.S.	Vancouver	10
LINCOLN GUO	University of Toronto Schools	Toronto	9
SHANE HU	Marc Garneau C.I.	North York	10
LEO LAI	Point Grey S.S.	Vancouver	8
TIAN LAN	Northern S.S.	Toronto	10
ELLEN LEE	St. Francis Xavier S.S.	Mississauga	10
XIN NING	A.Y. Jackson S.S.	North York	10
KRISS PETROUNOV	Marc Garneau C.I.	North York	10
SIMON YOUNAN	St. Francis Xavier S.S.	Mississauga	10
STEVEN YU	Pinetree S.S.	Coquitlam	9
JOE ZENG	Don Mills C.I.	North York	10
ERIC ZHAN	University of Toronto Schools	Toronto	9
JASMINE ZHANG	Bayview S.S.	Richmond Hill	10
DONG CHENZHOU	E.S. St. Luc	Montreal	10
ANANDA ZHU	John Fraser S.S.	Mississauga	10

**TEAMS / ÉQUIPES**

	School	Location	Score
	École	Endroit	Note
Champion / Première	Marc Garneau C.I.	North York	444
Second / Deuxième	University of Toronto Schools	Toronto	442
Third / Troisième	Don Mills C.I.	North York	436
	Northern S.S.	Toronto	436
Fifth / Cinquième	E.S. St. Luc	Montreal	434
	Sir Winston Churchill S.S.	Vancouver	434

**2009 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2009**

**FERMAT CONTEST / CONCOURS FERMAT**

**STUDENTS / ÉLÈVES**

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

<b>Gold Medals</b>	School	Location	Grade
<b>Médailles d'or</b>	École	Endroit	Niveau
LIZ CHEN	Walter Murray C.I.	Saskatoon	11
ROBIN CHENG	Pinetree S.S.	Coquitlam	11
JAMES LAM	E.S. Antoine Brossard	Brossard	11
JAMES RICKARDS	Colonel By S.S.	Gloucester	9
MARIYA SARDARLI	McKernan J.H.S.	Edmonton	9

**TEAMS / ÉQUIPES**

	School	Location	Score
	École	Endroit	Note
Champion / Première	Pinetree S.S.	Coquitlam	425
Second / Deuxième	University of Toronto Schools	Toronto	422
Third / Troisième	Don Mills C.I.	North York	416
Fourth / Quatrième	Earl Haig S.S.	North York	414
	Richmond Hill H.S.	Richmond Hill	414



**2009 FERMAT CONTEST PROVINCIAL CHAMPIONS  
CHAMPIONS PROVINCIAUX AU CONCOURS FERMAT 2009**

*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	JORDAN ANSTEY	New World Island Academy	Summerford
NS	CASPER MACAULAY	Halifax Grammar School	Halifax
NB	XI ZHANG	Saint John H.S.	Saint John
PE	MICHAEL LI	Colonel Gray Sr. H.S	Charlottetown
QC	JAMES LAM	E.S. Antoine Brossard	Brossard
ON North	WILL HALL	Banting Memorial H.S.	Alliston
ON North	MATTHEW HYNDMAN	Central Algoma S.S.	Desbarats
ON East	JAMES RICKARDS	Colonel By S.S.	Gloucester
ON Metro	BRIAN BI	Woburn C.I.	Scarborough
ON Metro	DENNIS LU	Earl Haig S.S.	North York
ON West	LOUIS HONG	Sir John A. Macdonald S.S.	Waterloo
ON West	CHEN SUN	A.B. Lucas S.S.	London
ON Central	STEVEN YANG	Rick Hansen S.S.	Mississauga
ON Central	DANIEL YOO	Thornhill S.S.	Thornhill
MB	GIUSEPPE GRANDE	Grant Park H.S.	Winnipeg
SK	LIZ CHEN	Walter Murray C.I.	Saskatoon
AB	MARIYA SARDARLI	McKernan J.H.S.	Edmonton
BC	ROBIN CHENG	Pinetree S.S.	Coquitlam

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

Number of Contestants / Nombre de concurrents: 27633

Average mark / Note moyenne: 87.89

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	0.79	16.18	0.38	82.04	0.32	0.26	82.25
2	E	0.03	0.32	0.33	0.31	98.93	0.04	98.97
3	D	0.09	0.25	1.50	93.19	4.76	0.17	93.35
4	A	97.57	0.30	1.15	0.52	0.19	0.24	97.80
5	D	8.37	4.07	2.85	75.69	1.49	7.49	81.82
6	A	69.24	5.81	21.06	1.64	1.66	0.55	69.63
7	C	11.31	1.22	75.89	1.89	5.52	4.14	79.17
8	D	1.91	3.74	4.55	87.60	1.46	0.71	88.22
9	B	2.00	39.58	15.08	15.88	17.60	9.83	43.89
10	C	0.63	0.44	95.00	2.35	0.67	0.88	95.84
11	E	20.77	9.22	4.43	8.21	53.25	4.09	55.52
12	D	1.49	2.46	1.55	89.85	2.78	1.83	91.53
13	A	76.43	2.36	3.39	6.69	3.47	7.61	82.73
14	A	47.99	10.88	5.27	9.35	6.66	19.82	59.85
15	B	19.57	40.77	8.90	6.37	7.74	16.62	48.89
16	E	8.02	6.93	10.22	7.24	53.99	13.56	62.46
17	B	7.42	42.85	6.54	8.24	6.66	28.26	59.73
18	D	4.07	3.97	7.73	75.61	5.72	2.86	77.83
19	C	6.10	8.91	39.48	12.04	15.33	18.11	48.21
20	E	5.86	7.17	9.41	5.02	32.24	40.27	53.97
21	C	11.92	4.91	28.08	17.93	21.49	15.64	33.28
22	E	12.12	9.79	11.16	7.16	26.25	33.47	39.47
23	B	8.99	9.54	30.07	9.26	4.59	37.52	15.27
24	B	6.40	10.57	8.75	8.40	12.05	53.80	22.87
25	D	7.07	9.33	9.36	6.89	7.62	59.69	17.10

Number of Contestants / Nombre de concurrents: 20958

Average mark / Note moyenne: 90.00

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	A	98.18	1.15	0.07	0.10	0.25	0.18	98.36
2	E	0.05	0.34	0.27	0.24	98.99	0.05	99.04
3	C	0.24	0.18	95.05	1.44	2.80	0.23	95.27
4	D	2.72	1.18	1.22	93.38	0.12	1.32	94.63
5	A	88.33	11.00	0.17	0.14	0.07	0.23	88.54
6	D	5.36	3.33	4.78	79.70	0.67	6.10	84.88
7	E	3.41	9.04	4.63	1.29	75.75	5.83	80.44
8	B	4.60	72.59	5.66	10.38	1.45	5.27	76.63
9	D	0.87	1.59	1.04	93.42	2.00	1.02	94.38
10	A	78.17	4.16	3.12	4.30	4.70	5.50	82.72
11	C	1.20	4.70	75.44	12.04	2.50	4.07	78.64
12	C	0.52	2.91	93.89	1.70	0.47	0.46	94.32
13	E	3.80	1.76	2.33	1.30	88.79	1.96	90.57
14	D	5.10	8.75	8.67	51.93	11.56	13.93	60.33
15	A	59.11	10.16	6.39	10.88	3.21	10.19	65.82
16	B	1.70	38.59	2.61	19.62	20.90	16.53	46.23
17	C	9.17	17.24	34.82	7.68	4.94	26.10	47.12
18	B	11.83	34.32	9.28	3.81	6.47	34.24	52.18
19	D	4.46	10.38	9.68	19.49	7.14	48.79	38.05
20	B	14.37	28.63	8.08	6.71	6.17	35.97	44.72
21	E	4.56	5.95	9.05	16.72	16.80	46.87	31.62
22	E	5.45	4.27	11.52	16.53	20.25	41.92	34.87
23	A	14.57	7.39	30.68	5.04	4.07	38.20	23.57
24	B	10.01	9.87	8.89	14.11	6.71	50.36	19.88
25	C	5.36	6.52	7.78	5.49	3.51	71.28	27.08

Number of Contestants / Nombre de concurrents: 17792

Average mark / Note moyenne: 85.10

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	9.98	0.09	0.08	89.70	0.11	0.02	89.72
2	E	0.68	0.13	0.95	0.09	98.07	0.06	98.12
3	C	0.65	3.76	92.24	2.07	0.38	0.87	93.05
4	B	1.07	92.54	1.14	3.01	0.64	1.58	94.02
5	A	83.37	9.46	2.44	1.55	1.50	1.65	84.76
6	A	93.29	1.79	2.81	0.58	0.88	0.62	93.88
7	D	1.33	8.16	6.54	80.96	2.40	0.58	81.43
8	C	0.75	3.93	80.01	9.70	2.06	3.53	82.94
9	C	1.41	2.07	52.56	18.04	13.57	12.33	59.95
10	E	11.40	3.94	2.24	2.16	73.50	6.73	78.81
11	D	0.61	0.39	15.82	72.54	7.80	2.82	74.65
12	C	2.84	18.68	44.68	11.34	7.50	14.94	52.53
13	A	26.85	5.48	21.23	16.33	14.13	15.96	31.95
14	E	4.15	3.92	7.62	3.86	53.53	26.89	73.22
15	B	8.52	66.38	14.33	5.41	1.41	3.92	69.09
16	C	6.90	17.85	41.81	7.02	4.46	21.95	53.56
17	B	11.69	28.01	11.07	6.51	4.99	37.70	44.97
18	B	12.91	37.13	6.24	5.11	4.43	34.16	56.39
19	A	66.78	2.80	4.34	3.05	4.47	18.53	81.97
20	A	15.61	18.29	9.02	7.46	4.58	45.03	28.39
21	D	7.75	7.78	28.12	26.65	6.40	23.26	34.73
22	E	4.78	8.76	5.64	11.56	12.75	56.49	29.30
23	D	2.51	5.91	11.61	19.12	4.41	56.42	43.86
24	D	5.16	7.46	8.20	5.14	4.90	69.12	16.64
25	C	4.74	10.49	7.82	4.86	4.15	67.91	24.38

## 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	7651	5702	3648
149				98	8043	5948	3871
148				97	8396	6457	4119
147				96	8828	6775	4400
146				95	9216	7310	4683
145	6		4	94	9703	7671	4961
144	8	20	6	93	10085	8254	5266
143				92	10543	8624	5593
142	20	54	13	91	10989	9135	5900
141				90	11411	9490	6233
140	39	90		89	11825	9945	6557
139	41	93	28	88	12322	10384	6941
138	48	95	33	87	12755	10905	7275
137	79	139	62	86	13225	11285	7608
136	93	140	63	85	13690	11734	7930
135				84	14158	12123	8261
134	145	214	81	83	14663	12578	8544
133	219	251	113	82	15139	12980	8925
132	240	257	119	81	15544	13365	9254
131	287	310	186	80	15995	13746	9557
130	321	319	189	79	16401	14099	9888
129	478	395	217	78	16835	14420	10194
128	527	399	229	77	17289	14754	10568
127	662	476	272	76	17690	15058	10908
126	713	481	288	75	18093	15292	11184
125	857	584	362	74	18451	15532	11478
124	958	598	378	73	18804	15798	11762
123	1121	703	441	72	19185	16045	12045
122	1234	718	455	71	19566	16290	12385
121	1437	857	534	70	19946	16501	12648
120	1604	873	583	69	20270	16685	12897
119	1839	1035	694	68	20562	16885	13106
118	2001	1061	737	67	20838	17060	13315
117	2204	1253	822	66	21153	17225	13557
116	2377	1280	873	65	21449	17370	13784
115	2609	1469	989	64	21713	17498	13990
114	2838	1513	1066	63	21978	17630	14172
113	3093	1777	1223	62	22202	17775	14327
112	3347	1818	1271	61	22463	17882	14474
111	3629	2099	1446	60	22693	17989	14657
110	3899	2171	1519	59	22891	18083	14807
109	4183	2482	1678	58	23075	18170	14921
108	4522	2563	1782	57	23268	18253	15023
107	4831	2994	1991	56	23450	18330	15125
106	5175	3104	2138	55	23632	18415	15243
105	5476	3536	2364	54	23779	18473	15350
104	5814	3667	2503	53	23929	18563	15427
103	6153	4120	2741	52	24059	18615	15506
102	6550	4316	2935	51	24193	18668	15577
101	6888	4904	3188	50	24296	18715	15671
100	7311	5121	3388	49	24407	18762	15739

Score/ Note	Pascal Rank/ Position	Cayley Rank/ Position	Fermat Rank/ Position
48	24487	18803	15787
47	24591	18840	15834
46	24668	18875	15875
45	24725	18895	15920
44	24798	18919	15949
43	24847	18935	15982
42	24900	18953	16013
41	24963	18976	16044
40	25014	18992	16074
39	25044	19009	16093
38	25082	19020	16110
37	25117	19028	16128
36	25148	19041	16141
35	25168	19050	16158
34	25183	19057	16171
33	25196	19063	16176
32	25208	19068	16184
31	25224	19077	16194
30	25243	19083	16203
29	25255	19090	16206
28	25263	19093	16212
27	25275	19095	16215
26	25282	19096	16217
25	25292	19097	16220
24	25304	19102	16225
23	25309	19104	16228
22	25312	19106	16230
21	25317	19108	16231
20	25323	19109	16236
19	25328		
18			
17	25329		16240
16	25330	19110	
15	25332		16241
14			
13			
12			16243
11	25334		16244
10	25336		

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

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

Scores/ Notes	Pascal Ranks/ Positions	Cayley Ranks/ Positions	Fermat Ranks/ Positions
440 - 450		1 - 2	
430 - 439		3 - 10	
420 - 429	1 - 5	11 - 23	1 - 2
410 - 419	6 - 19	24 - 33	3 - 5
400 - 409	20 - 47	34 - 50	6 - 20
390 - 399	48 - 80	51 - 70	21 - 42
380 - 389	81 - 146	71 - 96	43 - 64
370 - 379	147 - 193	97 - 125	65 - 89
360 - 369	194 - 261	126 - 163	90 - 125
350 - 359	262 - 351	164 - 225	126 - 163
340 - 349	352 - 441	227 - 289	164 - 210
330 - 339	442 - 535	290 - 380	211 - 282
320 - 329	536 - 615	381 - 489	283 - 333
310 - 319	616 - 701	490 - 594	334 - 415
300 - 309	702 - 786	595 - 679	416 - 490

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

*Pascal Contest / Concours Pascal: 1049*

*Cayley Contest / Concours Cayley: 966*

*Fermat Contest / Concours Fermat: 958*





**2009**  
**Results**

**2009**  
**Résultats**

***Pascal Contest***  
*(Grade 9)*

***Concours Pascal***  
*(9<sup>e</sup> année – Sec. III)*

***Cayley Contest***  
*(Grade 10)*

***Concours Cayley***  
*(10<sup>e</sup> année – Sec. IV)*

***Fermat Contest***  
*(Grade 11)*

***Concours Fermat***  
*(11<sup>e</sup> année – Sec. V)*

***Fermat Contest Honour Rolls***  
***Palmarès pour le concours Fermat***

2009  
Fermat Contest/Concours Fermat  
Team List/Palmarès d'équipes

Rank/ Rang	School/ École	City/Ville	Score
1	Pinetree S.S.	Coquitlam	425
2	University of Toronto Schools	Toronto	422
3	Don Mills C.I.	North York	416
4	Earl Haig S.S.	North York	414
4	Richmond Hill H.S.	Richmond Hill	414
6	Walter Murray C.I.	Saskatoon	408
7	Sir Winston Churchill H.S.	Calgary	407
8	Lord Byng S.S.	Vancouver	405
9	Burnaby North S.S.	Burnaby	404
9	Port Moody Sr. S.S.	Port Moody	404
9	Henry Wise Wood Sr. H.S.	Calgary	404
9	St. George's School	Vancouver	404
13	Moscrop S.S.	Burnaby	403
14	Point Grey S.S.	Vancouver	402
15	Western Canada H.S.	Calgary	401
16	Royal West Academy	Montreal-Ouest	400
16	Victoria Park C.I.	North York	400
16	A.Y. Jackson S.S.	North York	400
16	Sir Winston Churchill S.S.	Vancouver	400
16	Vincent Massey S.S.	Windsor	400
21	Richmond S.S.	Richmond	398
21	Sir John A. Macdonald S.S.	Waterloo	398
21	The Woodlands School	Mississauga	398
21	E.S. St. Luc	Montreal	398
21	Waterloo C.I.	Waterloo	398
21	Colonel By S.S.	Gloucester	398
27	University Hill S.S.	Vancouver	397
28	University Transition Program	Vancouver	396
28	Dr. Norman Bethune C.I.	Scarborough	396
28	Sir John A. Macdonald C.I.	Scarborough	396
31	Seaquam S.S.	Delta	395
31	Lisgar C.I.	Ottawa	395
33	Mount Douglas S.S.	Victoria	394
33	Bell H.S.	Nepean	394
33	Rothesay Netherwood School	Rothesay	394
33	Byrne Creek S.S.	Burnaby	394
33	Prince of Wales S.S.	Vancouver	394
38	Marc Garneau C.I.	North York	393
39	Semiahmoo S.S.	Surrey	392
39	Bayview S.S.	Richmond Hill	392
41	Woburn C.I.	Scarborough	391
41	Old Scona Academic H.S.	Edmonton	391
43	Harry Ainlay H.S.	Edmonton	387
44	Iroquois Ridge H.S.	Oakville	386
44	Northern S.S.	Toronto	386
44	Thornhill S.S.	Thornhill	386
47	John Fraser S.S.	Mississauga	385
47	St. Michael's Univ. School	Victoria	385
47	Queen Elizabeth H.S.	Calgary	385
50	Killarney S.S.	Vancouver	384
50	Westdale S.S.	Hamilton	384
50	Agincourt C.I.	Scarborough	384
50	Markham D.H.S.	Markham	384

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Name/Nom		School/École	Location/ Endroit	Grade/Niveau
<b>Group I/Groupe I</b>		<b>Scores/Notes 150 - 145</b>		
CHEN	LIZ	Walter Murray C.I.	Saskatoon	11
CHENG	ROBIN	Pinetree S.S.	Coquitlam	11
LAM	JAMES	E.S. Antoine Brossard	Brossard	11
RICKARDS	JAMES	Colonel By S.S.	Gloucester	9
SARDARLI	MARIYA	McKernan J.H.S.	Edmonton	9
<b>Group II/Groupe II</b>		<b>Scores/Notes 144 - 140</b>		
ANDERSON	JAMES	Seaquam S.S.	Delta	11
BI	BRIAN	Woburn C.I.	Scarborough	11
DUYCK	JAMES	Vincent Massey S.S.	Windsor	11
GUO	FANG	Richmond Hill H.S.	Richmond Hill	11
GUO	LEO	Dr. Norman Bethune C.I.	Scarborough	11
GUO	ROBERT	University of Toronto Schools	Toronto	10
HONG	LOUIS	Sir John A. Macdonald S.S.	Waterloo	11
HU	TIFFANY	Old Scona Academic H.S.	Edmonton	11
JANG	STEPHANIE	Pinetree S.S.	Coquitlam	11
LEE	DAVID	Westdale S.S.	Hamilton	11
LIU	ZHIQIANG	Don Mills C.I.	North York	11
LU	DENNIS	Earl Haig S.S.	North York	11
MAJDZADEH	ALI	Port Moody Sr. S.S.	Port Moody	11
RALPH	ROBERT	Royal West Academy	Montreal-Ouest	11
SACAWA	PAUL	John Fraser S.S.	Mississauga	11
SCHNEIDER	JONATHAN	University of Toronto Schools	Toronto	11
SHANMUGARAJAH	ABISHEK	Victoria Park C.I.	North York	11
SUN	CHEN	A.B. Lucas S.S.	London	11
TANG	NANCY	Havergal College	North York	11
YANG	EDWARD		London	11
YANG	STEVEN	Rick Hansen S.S.	Mississauga	11
YOO	DANIEL	Thornhill S.S.	Thornhill	11
<b>Group III/Groupe III</b>		<b>Scores/Notes 139 - 138</b>		
ALMAN	JOSHUA	University of Toronto Schools	Toronto	11

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group III/Groupe III

Scores/Notes 139 - 138

BEDFORD	BRANDON	University of Toronto Schools	Toronto	10
CHAN	GARY	Moscrop S.S.	Burnaby	11
CHEN	IAN	Hugh McRoberts S.S.	Richmond	11
CHEN	KARLMING	University Transition Program	Vancouver	11
DESCHAMPS	ANTHONY	Holy Names H.S.	Windsor	11
GAO	GOLDEN	Preston H.S.	Cambridge	11
GIRARD	GABRIEL	E.S. Sophie-Barat	Montreal	11
GUO	JOHN	Henry Wise Wood Sr. H.S	Calgary	11
HAN	HENRY	Earl Haig S.S.	North York	11
HUANG	YISHEN	Harry Ainlay H.S.	Edmonton	11
HUNG	VICTOR	St. George's School	Vancouver	11
LEUNG	DEREK	A.R. MacNeill S.S.	Richmond	11
LI	EMILY	Albert Campbell C.I.	Scarborough	11
LI	ZEYUAN	Sir John A. Macdonald C.I.	Scarborough	11
LU	JOHN	The Woodlands School	Mississauga	11
LU O	STEVEN	Etobicoke C.I.	Etobicoke	11
MO	DI	Sir Winston Churchill H.S.	Calgary	11
MOON	JUYOUNG	Guildford Park S.S.	Surrey	11
MOON	SUNGJIN	Pacific Academy	Surrey	11
OH	JUN	Moscrop S.S.	Burnaby	11
PAN	YETING	University Hill S.S.	Vancouver	11
PENG	RYAN	Centennial Collegiate	Saskatoon	11
RICHAN	ETIENNE	Seminaire de Sherbrooke	Sherbrooke	11
SHIM	EUNJI	Rothsay Netherwood School	Rothsay	11
SONG	ALEX	Waterloo C.I.	Waterloo	8
TAN	ERIC	Don Mills C.I.	North York	11
UY	ALYANNA	Richmond S.S.	Richmond	11
VANDENBRINK	CONRAD	Queen Elizabeth H.S.	Calgary	11
WANG	THOMAS	Semiahmoo S.S.	Surrey	11
XIONG	ZHENG	Killarney S.S.	Vancouver	11
XU	XINLEI	Lord Byng S.S.	Vancouver	11
ZHANG	XI	Saint John H.S.	Saint John	11
ZHAO	JASON	Richmond Hill H.S.	Richmond Hill	11

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group IV/Groupe IV		Scores/Notes 137 - 134		
ANDRE	TYSON	Richmond Hill H.S.	Richmond Hill	11
ANSTEY	JORDAN	New World Island Academy	Summerford	11
CHEN	HARRY	Point Grey S.S.	Vancouver	11
CHEN	SAM	Sir Winston Churchill H.S.	Calgary	11
CHOU	DAVID	Burnaby North S.S.	Burnaby	9
CHU	YUN	Bell H.S.	Nepean	11
COBURN	BRETT	West Hill S.S.	Owen Sound	11
DI GIORGIO	NICHOLAS	Lower Canada College	Montreal	11
EWONUS	BRANDON	St. Michael's Univ. School	Victoria	11
FORTNEY	ALEXANDER	Bishop Macdonell C.H.S.	Guelph	11
GRANDE	GIUSEPPE	Grant Park H.S.	Winnipeg	11
HAN	CHANGHO	Bayview S.S.	Richmond Hill	11
HE	ALLEN	Vancouver College H.S.	Vancouver	11
HONG	WELKIN	Burnaby North S.S.	Burnaby	11
HUI	NANCY	Marc Garneau C.I.	North York	11
JI	EDDIE	J.N. Burnett S.S.	Richmond	11
KIM	KEVIN	University of Toronto Schools	Toronto	10
KIM	TIM	Crescent School	North York	11
KUO	KEVIN	St. George's School	Vancouver	11
LEE	CONNIE	Fredericton H.S.	Fredericton	11
LI	BILL	Western Canada H.S.	Calgary	11
LI	CHEN ZHI	Johnston Heights Jr. S.S.	Surrey	11
LI	EDWINA	Burnaby North S.S.	Burnaby	11
LI	FELIX	University of Toronto Schools	Toronto	11
LIAN	JINGTIAN	Victoria Park C.I.	North York	11
LIN	JOHN	Point Grey S.S.	Vancouver	11
LIN	WILLIAM	David Thompson S.S.	Vancouver	11
LLOYD	ELLEN	Henry Wise Wood Sr. H.S	Calgary	11
PAN	JING WEI	Byrne Creek S.S.	Burnaby	11
PARK	NICK	St. Andrew's College	Aurora	11
SEOL	DOE BIN	Semiahmoo S.S.	Surrey	11
SHI	MELISSA	University of Toronto Schools	Toronto	11
SUN	ROY	A.Y. Jackson S.S.	North York	11

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group IV/Groupe IV		Scores/Notes 137 - 134		
SUN	YUE RU	E.S. St. Luc	Montreal	11
TANG	CORNELIA	Lisgar C.I.	Ottawa	11
TANG	XIAOYUN	Lorne Park S.S.	Mississauga	10
TIHANYI	STEFAN	St. Thomas H.S.	Pointe-Claire	11
WANG	RICHARD	Sir Winston Churchill S.S.	Vancouver	11
WANG	SHEN	Lord Byng S.S.	Vancouver	11
WANG	ZEXUAN	A.Y. Jackson S.S.	North York	10
WEI	DRAGON	Sir Winston Churchill S.S.	Vancouver	11
WHITTAKER LEE	KRISJANIS	University of Toronto Schools	Toronto	10
WU	ADRIAN	University of Toronto Schools	Toronto	10
XU	PETER	Don Mills C.I.	North York	11
YACH	JONATHAN	Bluevale C.I.	Waterloo	11
YANG	GWENDOLYN	Prince of Wales S.S.	Vancouver	10
YOO	HEE JUNG	Miss Edgar and Miss Cramp's School	Westmount	11
ZHAO	CONNIE	University of Toronto Schools	Toronto	11
ZHOU	JONATHAN	Pinetree S.S.	Coquitlam	11
ZHOU	XINGYU	Walter Murray C.I.	Saskatoon	11
ZHU	YUQI	University Hill S.S.	Vancouver	11
Group V/Groupe V		Scores/Notes 133 - 130		
BABICH	YAROSLAV	Sir Winston Churchill H.S.	Calgary	10
BAIK	DAVID	Northview Heights S.S.	North York	11
BENNER	SAM	Dr. E.P. Scarlett H.S.	Calgary	11
CAI	ARTHUR	Don Mills C.I.	North York	11
CHANG	JACLYN	Western Canada H.S.	Calgary	11
CHEN	DA QI	Centennial Reg. H.S.	Greenfield Park	11
CHEN	RICHARD	Sir John A. Macdonald C.I.	Scarborough	11
CHEN	RUIQI	Prince of Wales S.S.	Vancouver	11
CHOU	YING	Balmoral Hall School	Winnipeg	11
CUI	YUCHEN	Martingrove C.I.	Etobicoke	11
DENG	DANIEL	Waterloo C.I.	Waterloo	11
DESTOUNIS	MICHAEL	St. Thomas H.S.	Pointe-Claire	11

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 133 - 130		
DONG	STEVEN	R.C. Palmer S.S.	Richmond	11
DRAGAN	VICTOR	Lisgar C.I.	Ottawa	11
DRAKE	JONATHAN	O'Neill C.V.I.	Oshawa	11
FONG	AARON	University of Toronto Schools	Toronto	10
GAMBIN	JORDAN	Chaminade College	North York	11
GAO	AMBER	George Harvey C.I.	York	11
GAO	IVY	A.Y. Jackson S.S.	North York	11
GORDIYENKO	TARAS	Ursula Franklin Academy	Toronto	11
GOYAL	DIPANKAR	Mount Douglas S.S.	Victoria	11
HALL	WILL	Banting Memorial H.S.	Alliston	10
HAN	NELLIE	Earl Haig S.S.	North York	11
HAN	YOLANDA	Point Grey S.S.	Vancouver	11
HE	TONY	Agincourt C.I.	Scarborough	11
HOU LIU	JASON	Port Moody Sr. S.S.	Port Moody	11
HSI	BARRY	Iroquois Ridge H.S.	Oakville	11
HSIEH	ADAM	University of Toronto Schools	Toronto	11
HU	SANDY	Marc Garneau C.I.	North York	11
HUH	ANGELA	Rothsay Netherwood School	Rothsay	11
HUNG	JACQUELINE	University of Toronto Schools	Toronto	10
HYNDMAN	MATTHEW	Central Algoma S.S.	Desbarats	11
JACOBSEN	ISAAC	St. George's School	Vancouver	11
JEW	ALEXANDER	Gladstone Sec Montessori Prog	Vancouver	11
JONES	KATIE	Lakefield College School	Lakefield	11
JUNG	ANDREW	Silverthorn C.I.	Etobicoke	11
KANG	KAILIN	Tsawwassen Independent Sch. Society	Delta	11
KIA	EHSAN	E.S. St. Luc	Montreal	11
KIM	IRENE	West Vancouver S.S.	West Vancouver	11
KLEINMAN	DAVID	North Toronto C.I.	Toronto	11
KO	SEONGHYEON	Pacific Christian School	Victoria	11
KONG	DAVID	Glenforest S.S.	Mississauga	11
KOSTECKI	MARCIN	Port Moody Sr. S.S.	Port Moody	11

2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 133 - 130		
KUO	RYAN	The Woodlands School	Mississauga	11
KWON	RICHARD	North Surrey S.S.	Surrey	11
LEE	JIMIN	Bayview S.S.	Richmond Hill	11
LEE	KEVIN	University of Toronto Schools	Toronto	11
LEE	ROBERT	Thornlea S.S.	Thornhill	11
LEE	TAEWOOK	St. Robert C.H.S.	Thornhill	11
LI	CANDY	Burnaby North S.S.	Burnaby	11
LI	KEVIN	SA TEC @ W.A. Porter C.I.	Scarborough	11
LI	MATTHEW	The Woodlands School	Mississauga	11
LI	NIGEL	Sir Winston Churchill S.S.	Vancouver	11
LI	RUOTAO	Lord Byng S.S.	Vancouver	11
LI	YINGXIANG	Ancaster H.S.	Ancaster	11
LI	ZONGBIN	Bur Oak S.S.	Markham	11
LIAO	ALBERT	St. John's-Ravenscourt School	Winnipeg	11
LIM	ANGUS	University Transition Program	Vancouver	11
LIN	JASON	Sir Winston Churchill S.S.	Vancouver	11
LOPES	FERNANDO	Sir Winston Churchill H.S.	Calgary	11
LOU	JIMMY	Seaquam S.S.	Delta	11
LUO	PERRY	Lord Byng S.S.	Vancouver	11
MANSON	ROSS	Merivale H.S.	Nepean	11
MAO	ALICE	Crofton House School	Vancouver	11
MCINTOSH	JACKSON	Kitsilano S.S. (English)	Vancouver	11
MENG	VICTOR	Point Grey S.S.	Vancouver	11
MOCK	REMY	Mount Douglas S.S.	Victoria	11
MOORE	LIAM	Royal West Academy	Montreal-Ouest	11
NA	JAMES	Westmount C.I.	Thornhill	11
NELSON	SPENCER	Vincent Massey Collegiate	Winnipeg	11
ONG	PATRICK	Chaminade College	North York	11
PAN	TOM	Burnaby North S.S.	Burnaby	11
PARK	YERIM	Byrne Creek S.S.	Burnaby	11
QIAOZHI	ZHAO	Jarvis C.I.	Toronto	11



2009  
Fermat Contest/Concours Fermat  
Student Rankings/Palmarès d'étudiants

Group V/Groupe V		Scores/Notes 133 - 130		
ROBERGE	LOIC	College St. Louis	Lasalle	11
ROHS	MICHAEL	Henry Wise Wood Sr. H.S	Calgary	11
ROSU	CRISTINA	University of Toronto Schools	Toronto	11
ROY LORANGER	GUILLAUME	College Jean Eudes	Montreal	11
SHU	CALVIN	Trinity College School	Port Hope	11
SONG	WEN YI	Elgin Park S.S.	Surrey	10
STOSKY	STEVEN	St. Francis H.S.	Calgary	11
THACHER	ERIC	Vincent Massey Collegiate	Winnipeg	11
TIAN	DANI	Northern S.S.	Toronto	11
TORRENS	MITCHELL	Beaconsfield H.S.	Beaconsfield	11
TRINH	PASCAL	E.S. St. Luc	Montreal	11
TUNG	SHELDON	University of Toronto Schools	Toronto	10
UNG	MANUEL	Sir Winston Churchill S.S.	Vancouver	11
WANG	CLINTON	University of Toronto Schools	Toronto	10
WANG	JOANNA	Riverside S.S.	Windsor	11
WANG	MENGYINJOY	Vincent Massey S.S.	Windsor	11
WANG	ROBBIE	Sir Winston Churchill H.S.	Calgary	11
WANG	YUTONG	Johnston Heights Jr. S.S.	Surrey	10
WEI	FRANK	Dr. Norman Bethune C.I.	Scarborough	11
WONG	ANDY	McNally Comp. H.S.	Edmonton	11
WONG	ANSON	Richmond S.S.	Richmond	11
XU	LUCIA	Western Canada H.S.	Calgary	11
XUE	ANDREW	Lisgar C.I.	Ottawa	11
YANG	KE	College St. Louis	Lasalle	11
YU	HARRY	Don Mills C.I.	North York	11
YU	JASON	Mount Douglas S.S.	Victoria	11
YUAN	SAMUEL	Markham D.H.S.	Markham	11
ZHANG	WILSON	Bell H.S.	Nepean	11
ZHU	YU	Pinetree S.S.	Coquitlam	11
ZUNG	JONATHAN	University of Toronto Schools	Toronto	11