



**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

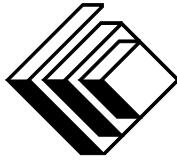
**Number of three student teams / Nombre d'équipes de trois élèves**

*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)*

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

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

Rank/ Rang	School/ École	City/Ville	Score/Note
1	Marc Garneau C.I.	North York	444
2	University of Toronto Schools	Toronto	442
3	Don Mills C.I.	North York	436
3	Northern S.S.	Toronto	436
5	E.S. St. Luc	Montreal	434
5	Sir Winston Churchill S.S.	Vancouver	434
7	St. Francis Xavier S.S.	Mississauga	432
8	Pinetree S.S.	Coquitlam	430
8	Old Scona Academic H.S.	Edmonton	430
8	A.Y. Jackson S.S.	North York	430
11	Vincent Massey S.S.	Windsor	428
12	University Transition Program	Vancouver	426
12	Earl Haig S.S.	North York	426
14	Sir Winston Churchill H.S.	Calgary	424
14	West Vancouver S.S.	West Vancouver	424
14	Lord Byng S.S.	Vancouver	424
14	St. Robert C.H.S.	Thornhill	424
18	Richmond S.S.	Richmond	422
18	Bayview S.S.	Richmond Hill	422
20	Dr. Norman Bethune C.I.	Scarborough	420
20	St. George's School	Vancouver	420
20	Burnaby North S.S.	Burnaby	420
20	Hugh McRoberts S.S.	Richmond	420
24	Western Canada H.S.	Calgary	416
25	Semiahmoo S.S.	Surrey	414
26	Centennial Reg. H.S.	Greenfield Park	412
26	Crescent School	North York	412
26	Port Moody Sr. S.S.	Port Moody	412
26	Point Grey S.S.	Vancouver	412
26	Lisgar C.I.	Ottawa	412
31	Moscrop S.S.	Burnaby	411
31	Victoria Park C.I.	North York	411
33	Markham D.H.S.	Markham	410
34	North Toronto C.I.	Toronto	408
35	Prince Of Wales Mini School	Vancouver	407
36	St. John's School	Vancouver	406
36	Handsworth S.S.	North Vancouver	406
38	College Jean de Brebeuf	Montreal	404
39	Richmond Hill H.S.	Richmond Hill	403
40	Agincourt C.I.	Scarborough	402
40	Waterloo C.I.	Waterloo	402
40	University Hill S.S.	Vancouver	402
40	The Woodlands School	Mississauga	402
40	Bell H.S.	Nepean	402
40	Crofton House School	Vancouver	402
46	Seaquam S.S.	Delta	400
46	Glenforest S.S.	Mississauga	400
46	Westdale S.S.	Hamilton	400
46	Gleneagle S.S.	Coquitlam	400
46	York Mills C.I.	North York	400
51	Burnaby South S.S.	Burnaby	398
51	A.B. Lucas S.S.	London	398

2009  
Cayley Contest/Concours Cayley  
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>	
ALACCHI	JOSEPH	Loyola H.S.	Montreal 10
CHU	KEVIN	Moscrop S.S.	Burnaby 10
DOU	JAY	Moira S.S.	Belleville 10
FANG	JIMMY	St. Robert C.H.S.	Thornhill 10
GAO	AILEEN	Sir Winston Churchill S.S.	Vancouver 10
GUO	LINCOLN	University of Toronto Schools	Toronto 9
HU	SHANE	Marc Garneau C.I.	North York 10
LAI	LEO	Point Grey S.S.	Vancouver 8
LAN	TIAN	Northern S.S.	Toronto 10
LEE	ELLEN	St. Francis Xavier S.S.	Mississauga 10
NING	XIN	A.Y. Jackson S.S.	North York 10
PETROUNOV	KRISS	Marc Garneau C.I.	North York 10
YOUNAN	SIMON	St. Francis Xavier S.S.	Mississauga 10
YU	STEVEN	Pinetree S.S.	Coquitlam 9
ZENG	JOE	Don Mills C.I.	North York 10
ZHAN	ERIC	University of Toronto Schools	Toronto 9
ZHANG	JASMINE	Bayview S.S.	Richmond Hill 10
ZHOU	DONG CHEN	E.S. St. Luc	Montreal 10
ZHU	ANANDA	John Fraser S.S.	Mississauga 10
<b>Group II/Groupe II</b>		<b>Scores/Notes 144 - 143</b>	
CHEN	PENGHONG	University Transition Program	Vancouver 10
CHENG	DAVID	Dr. Norman Bethune C.I.	Scarborough 10
CHOI	JUNHO	Old Scona Academic H.S.	Edmonton 10
CHONG	DANIEL	A.B. Lucas S.S.	London 10
DEE	CHRIS	St. George's School	Vancouver 10
DING	LIQING	Branksome Hall	Toronto 10
HUANG	FAN	Bell H.S.	Nepean 10
HWANG	GRACE	A.Y. Jackson S.S.	North York 10
KOO	ARAM	Sir John A. Macdonald S.S.	Waterloo 10
LEE	MIN HYUK	North Surrey S.S.	Surrey 10
LEE	YOSEP	Semiahmoo S.S.	Surrey 10
LI	PETER	Richmond S.S.	Richmond 10
LI	SIMON	Bayview S.S.	Richmond Hill 10
MACMILLAN	JOHN	Miramichi Valley H.S.	Miramichi 10
MAK	LAUREN	Pinetree S.S.	Coquitlam 10
NATARAJAN	KARTHIK	Sir Winston Churchill C.V.I.	Thunder Bay 10
OLDEN COOLIGAN	BEN	Northern S.S.	Toronto 10
QI	ANDREW	Old Scona Academic H.S.	Edmonton 10
RAJ	ANITA	Centennial Reg. H.S.	Greenfield Park 10
RYU	ALICE	St. John's School	Vancouver 10
SIMIC	ALEKSANDRA	Marc Garneau C.I.	North York 10
SONG	NAM	Sir Winston Churchill H.S.	Calgary 10
TARAPHAN	NUTTAWUT	Lord Byng S.S.	Vancouver 10
WANG	ALLAN	Burnaby North S.S.	Burnaby 10
WANG	JASON	Dover Bay S.S.	Nanaimo 10
WEI	MENGDI	St. Catharines C.I. & V.S.	St Catharines 10
WU	AMY	Burnaby South S.S.	Burnaby 10
YANG	KARREN	Marc Garneau C.I.	North York 10
YIN	FAN	Vincent Massey S.S.	Windsor 10
YOSHINO	REIKA	Hugh McRoberts S.S.	Richmond 10
YUAN	ADRIAN	West Vancouver S.S.	West Vancouver 10
ZHANG	ALLEN	University Transition Program	Vancouver 10

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

**Group II/Groupe II**

**Scores/Notes 144 - 143**

ZHANG	CYRIL	Don Mills C.I.	North York	10
ZHANG	JUSTINE	Sir Winston Churchill H.S.	Calgary	10

**Group III/Groupe III**

**Scores/Notes 142 - 141**

BAO	KELLY	Sir Winston Churchill S.S.	Vancouver	10
CAI	XUESI	E.S. St. Luc	Montreal	10
CHAU	BRIAN	Prince Of Wales Mini School	Vancouver	10
CHOI	SUNGBIN	L.P. Miller Comp. School	Nipawin	10
DILLON	JACK	St. Mary's C.H.S.	Brockville	9
EISENSTAT	SAM	Academy for Gifted Children-PACE	Richmond Hill	10
GU	FAN DI	Prince Of Wales Mini School	Vancouver	10
GUAN	MELODY Y	University of Toronto Schools	Toronto	9
GUPTA	ADARSH	University of Toronto Schools	Toronto	9
HE	TIM	Henry Wise Wood Sr. H.S	Calgary	10
JIANG	HEINRICH	Vincent Massey S.S.	Windsor	10
KHAN	SUFYAN	Earl Haig S.S.	North York	10
KIM	GRACE	University of Toronto Schools	Toronto	9
LI	FRANK	University of Toronto Schools	Toronto	9
LI	SHIDA	E.S. St. Luc	Montreal	10
LI	YANZHU	Lord Byng S.S.	Vancouver	10
LIU	CHIEH MING	Fraser Heights S.S.	Surrey	10
MA	PHILIP	Harry Ainlay H.S.	Edmonton	10
NGANA	YANNICK	Earl Haig S.S.	North York	10
PARK	GAYEEJULIE	Gleneagle S.S.	Coquitlam	10
PARK	TOM	Richmond S.S.	Richmond	10
RIDGE	FRASER	Handsworth S.S.	North Vancouver	10
RONG	RICKY	Don Mills C.I.	North York	10
SUN	SUSAN	West Vancouver S.S.	West Vancouver	9
TANG	TOMY	Innisdale S.S.	Barrie	10
WANG	DONALD	Hugh McRoberts S.S.	Richmond	10
WANG	YAOU	St. Michael's Univ. School	Victoria	10
YANG	AARON	Northern S.S.	Toronto	10
YEP	JONATHAN	Albert Campbell C.I.	Scarborough	10
YOO	YOUNGHO	Earl Haig S.S.	North York	10
YU	OULIN	E.S. St. Luc	Montreal	10
YUAN	CHENG HAO	Lord Tweedsmuir Sr. S.S.	Surrey	10
YUAN	DIRK	Sir Winston Churchill S.S.	Vancouver	10
ZHANG	WILLIAM	Port Moody Sr. S.S.	Port Moody	10
ZHENG	TIGER ZIYU	Vincent Massey S.S.	Windsor	10
ZHOU	KAIVEN	Old Scona Academic H.S.	Edmonton	10

**Group IV/Groupe IV**

**Scores/Notes 140 - 137**

CHAE	PAUL	Vincent Massey S.S.	Windsor	10
CHO	PETER	Old Scona Academic H.S.	Edmonton	10
CHOI	DAYEOL	Fredericton H.S.	Fredericton	10
CHUNG	DAHAN	Mount Douglas S.S.	Victoria	10
CORSO	KEVIN	Brebeuf College School	North York	10
FU	IVAN	Dr. Norman Bethune C.I.	Scarborough	10

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

Group IV/Groupe IV

Scores/Notes 140 - 137

GRAHAM	JACKIE	Waterloo C.I.	Waterloo	10
GU	LORIN	Crescent School	North York	10
HAN	DAVID	Crescent School	North York	10
HU	ALICE	West Vancouver S.S.	West Vancouver	10
HUANG	JEFFREY	Western Canada H.S.	Calgary	10
HUANG	STEVEN	Burnaby North S.S.	Burnaby	8
HUNG	IVAN	Shawnigan Lake School	Shawnigan Lake	10
JEFFREY	SON	Dr. Charles Best S.S.	Coquitlam	10
JI	ISABEL	Victoria Park C.I.	North York	10
KHAN	TALHA	Burnaby Mountain S.S.	Burnaby	10
KIM	ANNIE	Crofton House School	Vancouver	10
KIM	CHUNGJUN	Yale S.S.	Abbotsford	10
KIM	JIYONG	Highroad Academy	Chilliwack	10
KIM	PAUL	St. George's School	Vancouver	10
LAM	HADRIAN	St. George's School	Vancouver	10
LI	AMY	Killarney S.S.	Vancouver	10
LI	CHARLES	Markham D.H.S.	Markham	10
LIM	JUNHYEON	Rothsay Netherwood School	Rothsay	10
LIU	INA	Lisgar C.I.	Ottawa	10
PARK	DANIEL	St. Andrew's College	Aurora	10
PARK	HYESEON	St. Robert C.H.S.	Thornhill	10
PARK	SUNGWHAN	Fredericton H.S.	Fredericton	10
QI	TIFFANY	St. John's School	Vancouver	10
QIN	CATHY	Old Scona Academic H.S.	Edmonton	10
QIU	GINNY	Agincourt C.I.	Scarborough	10
SHEN	MENGSHU	Western Canada H.S.	Calgary	10
SHU	CHARLES	Lord Byng S.S.	Vancouver	9
SPINK	HUNTER	Western Canada H.S.	Calgary	10
SRINIVASAN	SURAJ	Fort Richmond C.I.	Winnipeg	10
THAM	JOEL	The Woodlands School	Mississauga	10
WANG	CATHERINE	Sir Winston Churchill S.S.	Vancouver	10
WANG	DAVID	Dr. Norman Bethune C.I.	Scarborough	10
WANG	WEIKE	E.S. St. Luc	Montreal	10
WILLIAM	CHOI	Iroquois Ridge H.S.	Oakville	10
WOO	DANIEL	Semiahmoo S.S.	Surrey	10
WU	DEAN	Lisgar C.I.	Ottawa	10
YANG	FRANKLIN	Don Mills C.I.	North York	10
YANG	YIN SHU	University Transition Program	Vancouver	10
YIN	XI YUAN	College Jean de Brebeuf	Montreal	10
YOO	MINYOUNG	Handsworth S.S.	North Vancouver	10
ZHANG	XIAOWEI	E.S. de Rochebelle	Quebec	10
ZHAO	JINGRUI	Westdale S.S.	Hamilton	10
ZHAO	YE	William Lyon Mackenzie C.I.	North York	10
ZHU	KATIE	Burnaby North S.S.	Burnaby	10

Group V/Groupe V

Scores/Notes 136 - 134

AN	ZI JIE	E.S. St. Luc	Montreal	10
BAI	GEORGE	University of Toronto Schools	Toronto	9
BEZAIRE	DALLAS	Sir Winston Churchill H.S.	Calgary	10
CAMPBELL	RUTGER	Lisgar C.I.	Ottawa	10
CHAN	DESMOND	Markham D.H.S.	Markham	10
CHANG	BORIS	Markham D.H.S.	Markham	10
CHANG	PHOEBE	Sir Winston Churchill H.S.	Calgary	10
CHAU	PETER	Waterloo C.I.	Waterloo	10
CHE N	ZHOUBO	University Hill S.S.	Vancouver	10

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

Group V/Groupe V

Scores/Notes 136 - 134

CHEN	CINDY	Hugh McRoberts S.S.	Richmond	10
CHEN	EMILY	University of Toronto Schools	Toronto	9
CHEN	XINYI	College Jean Eudes	Montreal	10
CHENG	JINGWEN	Innisdale S.S.	Barrie	9
CHO	HARRY	Port Moody Sr. S.S.	Port Moody	10
CHOI	KANGHYUN	North Toronto C.I.	Toronto	10
CHOW	VINCENT	University of Toronto Schools	Toronto	9
CLUFF	MATTHEW	D.P. Todd S.S.	Prince George	10
CONG	AMALIA	London Central S.S.	London	10
CURELEA	ANDREI	Vincent Massey S.S.	Windsor	10
DIEDERICHS	STEPHEN	Springbank Comm. H.S.	Calgary	10
DING	FREDERICK	Richmond Hill H.S.	Richmond Hill	10
DING	ZHENG	Burnaby North S.S.	Burnaby	9
DOWLING	PATRICK	Sacred Heart C.H.S.	Newmarket	10
DU	YUHAO	Port Moody Sr. S.S.	Port Moody	10
FANG	BENNY	Gleneagle S.S.	Coquitlam	10
FREEMAN	MARKY	Tanenbaum CHAT	Maple	10
FUNG	ALEXANDER	University of Toronto Schools	Toronto	9
GARCIA RUIZ	LUIS	E.S. St. Luc	Montreal	10
HA M	SALLY	Pacific Academy	Surrey	10
HAN	FRANCIS	Mulgrave School	West Vancouver	10
HOFKIRCHNER	ALEX	O'Neill C.V.I.	Oshawa	10
HU	DANIEL	Vincent Massey S.S.	Windsor	10
HU	KEVIN	Crescent School	North York	10
HU	PEI	Sinclair S.S.	Whitby	10
HU	THOMAS	A.Y. Jackson S.S.	North York	10
HUA	GORDON	College St. Louis	Lasalle	10
HUTIRA	SALVADOR	University of Toronto Schools	Toronto	9
JACOB JOHN	VARUN	St. Robert C.H.S.	Thornhill	10
JADA	WANG	Marc Garneau C.I.	North York	10
JIA	KEVIN	University of Toronto Schools	Toronto	9
KIM	HYUNGKI	University Hill S.S.	Vancouver	10
KIM	YANG SEOK	King's-Edgehill School	Windsor	10
L IN	ROBERT	Marc Garneau C.I.	North York	10
LEE	ANDY	St. George's School	Vancouver	10
LEE	ELLEN	Vancouver Tech. S.S.	Vancouver	10
LEE	FELIX	St. Michael's College School	York	10
LEE	HORIM	Earl Haig S.S.	North York	10
LEE	JEONGSU	Silverthorn C.I.	Etobicoke	10
LEE	JOSHUA	Crescent School	North York	9
LEE	RYAN	University of Toronto Schools	Toronto	9
LEUNG	JACKY	Markham D.H.S.	Markham	10
LI	ROSE	Marc Garneau C.I.	North York	10
LI	YUCHEN	North Toronto C.I.	Toronto	10
LIN	ISAAC	Sir Winston Churchill H.S.	Calgary	10
LIN	TONY	Dr. Norman Bethune C.I.	Scarborough	10
LIPTON	MICHAEL	Tanenbaum CHAT	Maple	10
LU	KE QIN	Richmond S.S.	Richmond	10
LU	LIWEN	Vincent Massey H.S.	Brandon	9
LU	NELSON	Burnaby South S.S.	Burnaby	10
LU	YAO	St. George's School	Vancouver	10
LUO	CHARLES	York Mills C.I.	North York	10
MA	MARK	Johnston Heights Jr. S.S.	Surrey	10
MACALINTAL	YZAH	Kelvin H.S.	Winnipeg	10
MACLACHLAN	DUNCAN	Paris D.H.S.	Paris	10
MAHAJAN	NIKHIL	Glenforest S.S.	Mississauga	10
MAI	ZHIHAO	Vincent Massey S.S.	Windsor	10

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

Group V/Groupe V

Scores/Notes 136 - 134

NESTICO	ANDREW	St. Michael's College School	York	10
OH	HENRY	Richmond Green S.S.	Richmond Hill	10
PAN	SALLY	University of Toronto Schools	Toronto	9
PARK	PATRICK	Magee S.S.	Vancouver	10
RYU	WON	Heritage Woods Secondary	Port Moody	10
SHE	JERRY	Britannia S.S.	Vancouver	10
SHEN	CHARLIE	Pinetree S.S.	Coquitlam	10
SHI	SAM	York Mills C.I.	North York	10
SHIN	JAME S	Bodwell H.S.	North Vancouver	10
SHIN	SEUNGCHUL	Corpus Christi C.S.S.	Burlington	10
STANCIU	JEAN	College Jean de Brebeuf	Montreal	10
STEPHENSON	LAURA	Lisgar C.I.	Ottawa	10
TANG	MICHELLE	Markham D.H.S.	Markham	10
THEVASUNDARAM	KERSHANTH	Markham D.H.S.	Markham	10
TRUONG	RAYMOND	Stamford C.& V.I.	Niagara Falls	10
VIGNESWARAN	SUSEELAN	Victoria Park C.I.	North York	10
WANG	JENNY	Seaquam S.S.	Delta	10
WEAVER	IAN	Halifax Grammar School	Halifax	10
WEI	LONA	West Vancouver S.S.	West Vancouver	10
WEI	YUMOU	Lord Byng S.S.	Vancouver	10
WU	TERRY	St. George's School	Vancouver	10
XI	WAYNE	Earl Haig S.S.	North York	10
XI	WILLIAM	Sir Winston Churchill S.S.	Vancouver	8
XIAO	PHILIP	Sir Winston Churchill S.S.	Vancouver	10
XIE	OLIVER	Burnaby North S.S.	Burnaby	10
YANG	DAITAN	North Toronto C.I.	Toronto	10
YANG	KATHRYN	Crofton House School	Vancouver	10
YANG	LINDA	Sir Winston Churchill S.S.	Vancouver	10
YELEKAR	ASHISH	Pickering H.S.	Ajax	10
YOON	SOYON	D.W. Poppy Secondary	Langley	10
YOU	ALICE	Richmond Hill H.S.	Richmond Hill	10
YU	JENNIFER	Old Scona Academic H.S.	Edmonton	10
ZENG	RAYMOND	Heritage Woods Secondary	Port Moody	10
ZENG	YUCHAO	Lisgar C.I.	Ottawa	10
ZHANG	DANNY	Victoria Park C.I.	North York	10
ZHANG	JACK	Pierre Elliott Trudeau H.S.	Markham	9
ZHANG	JI	A.Y. Jackson S.S.	North York	10
ZHANG	JOHNNY	Seaquam S.S.	Delta	10
ZHANG	LILY	Cameron Heights C.I.	Kitchener	10
ZHANG	YIPEI	Agincourt C.I.	Scarborough	10
ZHAO	TIANLE	Lorne Park S.S.	Mississauga	10
ZHU	MARCO	Glenforest S.S.	Mississauga	10
ZHU	QIHUI	Centennial Reg. H.S.	Greenfield Park	10
ZHUO	WILL	Sir Winston Churchill H.S.	Calgary	10
ZOU	JESSICA	Sir Winston Churchill S.S.	Vancouver	9