

Student Questionnaire: Academic Program–All Students School Results

School: Francis Libermann Catholic HS (707708)

Board: Toronto Catholic District School Board (67059)

Attitudes Toward Mathematics

Number of Respondents	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	114		4 400		98 764	
1. Indicate the degree to which you agree or disagree with each of the following statements.						
a. I like mathematics.						
Strongly agree or agree	46	40%	2 329	53%	50 913	52%
Undecided	39	34%	1 078	24%	24 605	25%
Disagree or strongly disagree	29	25%	982	22%	23 043	23%
no response/ambiguous response	0	0%	11	<1%	203	<1%
b. I am good at mathematics.						
Strongly agree or agree	39	34%	1 995	45%	49 024	50%
Undecided	42	37%	1 519	35%	29 991	30%
Disagree or strongly disagree	33	29%	868	20%	19 450	20%
no response/ambiguous response	0	0%	18	<1%	299	<1%
c. I understand most of the mathematics I am taught.						
Strongly agree or agree	76	67%	3 107	71%	69 703	71%
Undecided	26	23%	886	20%	18 689	19%
Disagree or strongly disagree	12	11%	389	9%	10 006	10%
no response/ambiguous response	0	0%	18	<1%	366	<1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	32	28%	1 798	41%	35 108	36%
Undecided	40	35%	1 430	32%	32 704	33%
Disagree or strongly disagree	41	36%	1 148	26%	30 560	31%
no response/ambiguous response	1	1%	24	1%	392	<1%

1. Numbers and percentages are based on the total number of students who completed a questionnaire.

2. Percentages may not add up to 100, due to rounding.

Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
e. I need to keep taking mathematics for the kind of job I want after I leave school.						
Strongly agree or agree	54	47%	2 477	56%	54 717	55%
Undecided	45	39%	1 296	29%	29 962	30%
Disagree or strongly disagree	14	12%	604	14%	13 631	14%
no response/ambiguous response	1	1%	23	1%	454	<1%
f. Mathematics is boring.						
Strongly agree or agree	45	39%	1 174	27%	31 005	31%
Undecided	30	26%	1 252	28%	27 793	28%
Disagree or strongly disagree	38	33%	1 941	44%	39 364	40%
no response/ambiguous response	1	1%	33	1%	602	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	23	20%	1 075	24%	26 623	27%
Undecided	28	25%	1 350	31%	28 596	29%
Disagree or strongly disagree	62	54%	1 951	44%	43 010	44%
no response/ambiguous response	1	1%	24	1%	535	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	114		4 400		98 764	
2. Indicate how easy or hard you find mathematics questions that deal with the following.						
a. Number sense (e.g., operations with integers, rational numbers, exponents)						
Very easy or easy	83	73%	3 093	70%	66 218	67%
Undecided	24	21%	922	21%	21 620	22%
Hard or very hard	6	5%	352	8%	10 112	10%
no response/ambiguous response	1	1%	33	1%	814	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	55	48%	2 640	60%	59 158	60%
Undecided	30	26%	936	21%	20 381	21%
Hard or very hard	28	25%	798	18%	18 487	19%
no response/ambiguous response	1	1%	26	1%	738	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	33	29%	2 078	47%	47 683	48%
Undecided	35	31%	1 358	31%	28 744	29%
Hard or very hard	45	39%	929	21%	21 550	22%
no response/ambiguous response	1	1%	35	1%	787	1%
d. Analytic geometry (e.g., slope, y-intercept, equations of lines)						
Very easy or easy	26	23%	1 903	43%	40 227	41%
Undecided	40	35%	1 140	26%	25 381	26%
Hard or very hard	47	41%	1 318	30%	32 310	33%
no response/ambiguous response	1	1%	39	1%	846	1%
e. Measurement (e.g., perimeter, surface area, volume)						
Very easy or easy	87	76%	3 292	75%	74 375	75%
Undecided	19	17%	736	17%	15 853	16%
Hard or very hard	7	6%	327	7%	7 550	8%
no response/ambiguous response	1	1%	45	1%	986	1%

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2. Percentages may not add up to 100, due to rounding.

Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
f. Geometry (e.g., angles, quadrilaterals)						
Very easy or easy	78	68%	2 637	60%	62 616	63%
Undecided	26	23%	1 119	25%	22 566	23%
Hard or very hard	8	7%	596	14%	12 602	13%
no response/ambiguous response	2	2%	48	1%	980	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Background

Number of Respondents	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	114		4 400		98 764	
3a. Do you have a computer <i>at home</i> that you use for mathematics school work?						
Yes	41	36%	2 144	49%	51 664	52%
No	68	60%	2 204	50%	46 122	47%
no response/ambiguous response	5	4%	52	1%	978	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	89	78%	3 789	86%	84 567	86%
No	20	18%	562	13%	13 246	13%
no response/ambiguous response	5	4%	49	1%	951	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	66	58%	662	15%	8 406	9%
No	43	38%	3 681	84%	89 175	90%
no response/ambiguous response	5	4%	57	1%	1 183	1%
4a. How much time to you <i>usually</i> spend on mathematics homework (in or out of school) on any given day?						
I usually spend <i>more than 45 minutes</i> on mathematics homework.	28	25%	1 201	27%	22 013	22%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	38	33%	1 694	38%	35 594	36%
I usually spend <i>30 minutes or less</i> on mathematics homework.	38	33%	1 358	31%	37 219	38%
I am not usually assigned any mathematics homework.	2	2%	83	2%	2 689	3%
no response/ambiguous response	8	7%	64	1%	1 249	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	11	10%	469	11%	11 626	12%
Sometimes	48	42%	1 160	26%	23 060	23%
Often or always	46	40%	2 705	61%	62 775	64%
no response/ambiguous response	9	8%	66	2%	1 303	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	114		4 400		98 764	
5. What languages do you speak at home?						
Only or mostly English	63	55%	2 775	63%	75 675	77%
Another language (or languages) as often as English	31	27%	967	22%	13 200	13%
Mostly or only another language (or other languages)	11	10%	592	13%	8 522	9%
no response/ambiguous response	9	8%	66	2%	1 367	1%
6. How old are you?						
13 years or younger	0	0%	24	1%	839	1%
14 years	58	51%	2 786	63%	64 324	65%
15 years	42	37%	1 486	34%	31 232	32%
16 years or older	6	5%	36	1%	1 046	1%
no response/ambiguous response	8	7%	68	2%	1 323	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	22	19%	843	19%	14 229	14%
One to four times	58	51%	2 480	56%	58 048	59%
Five to nine times	21	18%	717	16%	18 021	18%
10 or more times	5	4%	282	6%	7 035	7%
no response/ambiguous response	8	7%	78	2%	1 431	1%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	64	56%	2 158	49%	45 139	46%
One to four times	33	29%	1 565	36%	38 103	39%
Five to nine times	7	6%	358	8%	8 568	9%
10 or more times	1	1%	243	6%	5 493	6%
no response/ambiguous response	9	8%	76	2%	1 461	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–All Students

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	114		4 400		98 764	
	#	% ²	#	% ²	#	% ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	37	32%	1 802	41%	27 575	28%
Two schools	35	31%	1 382	31%	34 973	35%
Three schools	15	13%	639	15%	18 970	19%
Four schools	13	11%	284	6%	8 460	9%
Five schools or more	5	4%	221	5%	7 298	7%
no response/ambiguous response	9	8%	72	2%	1 488	2%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	114		4 400		98 764	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
1. Indicate the degree to which you agree or disagree with each of the following statements.						
a. I like mathematics.						
Strongly agree or agree	37%	44%	49%	58%	47%	57%
Undecided	37%	31%	25%	23%	27%	23%
Disagree or strongly disagree	25%	25%	26%	18%	27%	20%
no response/ambiguous response	0%	0%	<1%	<1%	<1%	<1%
b. I am good at mathematics.						
Strongly agree or agree	25%	44%	38%	54%	43%	57%
Undecided	42%	31%	38%	30%	33%	28%
Disagree or strongly disagree	32%	25%	24%	15%	24%	15%
no response/ambiguous response	0%	0%	<1%	1%	<1%	<1%
c. I understand most of the mathematics I am taught.						
Strongly agree or agree	61%	73%	69%	73%	67%	74%
Undecided	27%	18%	21%	19%	21%	17%
Disagree or strongly disagree	12%	9%	10%	8%	12%	8%
no response/ambiguous response	0%	0%	<1%	1%	<1%	<1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	31%	25%	40%	42%	33%	39%
Undecided	34%	36%	34%	31%	36%	30%
Disagree or strongly disagree	36%	36%	26%	26%	32%	30%
no response/ambiguous response	0%	2%	<1%	1%	<1%	<1%
e. I need to keep taking mathematics for the kind of job I want after I leave school.						
Strongly agree or agree	47%	47%	54%	59%	53%	58%
Undecided	41%	38%	31%	27%	32%	29%
Disagree or strongly disagree	12%	13%	15%	12%	15%	13%
no response/ambiguous response	0%	2%	<1%	1%	<1%	1%

1. Numbers and percentages are based on the total number of students who completed a questionnaire and for whom gender data were available.

2. Percentages may not add up to 100, due to rounding.

Note: N/R "Not reported" indicates that the number of students responding to the questionnaire is so small (fewer than six in a group) that identification of individual results might be possible; therefore, results are not reported.

N/D "No data available" is used to indicate that there were no students for the group specified.

Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	114		4 400		98 764	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
f. Mathematics is boring.						
Strongly agree or agree	31%	49%	26%	27%	31%	32%
Undecided	31%	22%	28%	29%	29%	28%
Disagree or strongly disagree	39%	27%	45%	43%	40%	40%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	19%	22%	20%	30%	22%	32%
Undecided	19%	31%	31%	30%	29%	29%
Disagree or strongly disagree	63%	45%	49%	39%	49%	38%
no response/ambiguous response	0%	2%	<1%	1%	<1%	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
2. Indicate how easy or hard you find mathematics questions that deal with the following.						
a. Number sense (e.g., operations with integers, rational numbers, exponents)						
Very easy or easy	71%	75%	67%	74%	64%	70%
Undecided	20%	22%	23%	19%	24%	20%
Hard or very hard	8%	2%	10%	6%	12%	9%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	51%	45%	61%	58%	61%	59%
Undecided	25%	27%	21%	22%	20%	21%
Hard or very hard	24%	25%	18%	19%	19%	19%
no response/ambiguous response	0%	2%	<1%	1%	1%	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	36%	22%	46%	49%	45%	51%
Undecided	27%	35%	31%	30%	30%	28%
Hard or very hard	37%	42%	22%	19%	24%	20%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
d. Analytic geometry (e.g., slope, y-intercept, equations of lines)						
Very easy or easy	25%	20%	43%	44%	38%	44%
Undecided	32%	38%	25%	27%	26%	25%
Hard or very hard	42%	40%	32%	28%	35%	30%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
e. Measurement (e.g., perimeter, surface area, volume)						
Very easy or easy	78%	75%	74%	76%	73%	77%
Undecided	14%	20%	17%	16%	17%	15%
Hard or very hard	8%	4%	8%	7%	8%	7%
no response/ambiguous response	0%	2%	1%	1%	1%	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
f. Geometry (e.g., angles, quadrilaterals)						
Very easy or easy	64%	73%	58%	63%	60%	67%
Undecided	29%	16%	26%	24%	24%	21%
Hard or very hard	7%	7%	15%	12%	14%	11%
no response/ambiguous response	0%	4%	1%	1%	1%	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Background

Number of Respondents	School ¹		Board ¹		Province ¹	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
3a. Do you have a computer <i>at home</i> that you use for mathematics school work?						
Yes	36%	36%	48%	49%	54%	51%
No	59%	60%	51%	50%	45%	48%
no response/ambiguous response	5%	4%	1%	1%	1%	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	78%	78%	89%	83%	88%	83%
No	17%	18%	10%	16%	11%	16%
no response/ambiguous response	5%	4%	1%	1%	1%	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	59%	56%	16%	14%	8%	9%
No	36%	40%	83%	85%	91%	90%
no response/ambiguous response	5%	4%	1%	1%	1%	1%
4a. How much time to you <i>usually</i> spend on mathematics homework (in or out of school) on any given day?						
I usually spend <i>more than 45 minutes</i> on mathematics homework.	29%	20%	32%	22%	25%	19%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	36%	31%	41%	36%	40%	32%
I usually spend <i>30 minutes or less</i> on mathematics homework.	27%	40%	25%	38%	32%	44%
I am not usually assigned any mathematics homework.	0%	4%	2%	2%	2%	4%
no response/ambiguous response	8%	5%	1%	1%	1%	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	7%	13%	9%	13%	9%	15%
Sometimes	37%	47%	24%	29%	21%	25%
Often or always	46%	35%	65%	57%	69%	58%
no response/ambiguous response	10%	5%	1%	2%	1%	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
	114		4 400		98 764	
5. What languages do you speak at home?						
Only or mostly English	54%	56%	63%	63%	77%	76%
Another language (or languages) as often as English	31%	24%	23%	21%	14%	13%
Mostly or only another language (or other languages)	5%	15%	13%	14%	8%	10%
no response/ambiguous response	10%	5%	1%	2%	1%	1%
6. How old are you?						
13 years or younger	0%	0%	<1%	1%	1%	1%
14 years	46%	56%	64%	63%	66%	64%
15 years	41%	33%	34%	34%	31%	32%
16 years or older	3%	7%	1%	1%	1%	1%
no response/ambiguous response	10%	4%	1%	2%	1%	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	14%	25%	17%	22%	12%	17%
One to four times	56%	45%	57%	55%	60%	58%
Five to nine times	17%	20%	17%	15%	19%	17%
10 or more times	3%	5%	7%	6%	7%	7%
no response/ambiguous response	10%	4%	2%	2%	1%	2%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	61%	51%	50%	48%	47%	45%
One to four times	24%	35%	36%	36%	39%	38%
Five to nine times	5%	7%	8%	9%	8%	9%
10 or more times	0%	2%	5%	7%	5%	6%
no response/ambiguous response	10%	5%	2%	2%	1%	2%

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Note: N/R "Not reported" indicates that the number of students responding to the questionnaire is so small (fewer than six in a group) that identification of individual results might be possible; therefore, results are not reported.

N/D "No data available" is used to indicate that there were no students for the group specified.

Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Academic Program–By Gender

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	114		4 400		98 764	
	Female 59 % ²	Male 55 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	37%	27%	40%	42%	28%	28%
Two schools	34%	27%	32%	31%	35%	35%
Three schools	10%	16%	15%	14%	19%	19%
Four schools	7%	16%	7%	6%	9%	8%
Five schools or more	3%	5%	5%	5%	7%	7%
no response/ambiguous response	8%	7%	2%	2%	1%	2%

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