

Student Questionnaire: Academic Program–All Students School Results

School: Senator O'Connor College School (763772)

Board: Toronto Catholic District School Board (67059)

Attitudes Toward Mathematics

Number of Respondents	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% 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	140	56%	2 329	53%	50 913	52%
Undecided	57	23%	1 078	24%	24 605	25%
Disagree or strongly disagree	51	20%	982	22%	23 043	23%
no response/ambiguous response	4	2%	11	<1%	203	<1%
b. I am good at mathematics.						
Strongly agree or agree	120	48%	1 995	45%	49 024	50%
Undecided	91	36%	1 519	35%	29 991	30%
Disagree or strongly disagree	37	15%	868	20%	19 450	20%
no response/ambiguous response	4	2%	18	<1%	299	<1%
c. I understand most of the mathematics I am taught.						
Strongly agree or agree	199	79%	3 107	71%	69 703	71%
Undecided	34	13%	886	20%	18 689	19%
Disagree or strongly disagree	16	6%	389	9%	10 006	10%
no response/ambiguous response	3	1%	18	<1%	366	<1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	116	46%	1 798	41%	35 108	36%
Undecided	70	28%	1 430	32%	32 704	33%
Disagree or strongly disagree	62	25%	1 148	26%	30 560	31%
no response/ambiguous response	4	2%	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	
	252		4 400		98 764	
	#	% 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	168	67%	2 477	56%	54 717	55%
Undecided	59	23%	1 296	29%	29 962	30%
Disagree or strongly disagree	21	8%	604	14%	13 631	14%
no response/ambiguous response	4	2%	23	1%	454	<1%
f. Mathematics is boring.						
Strongly agree or agree	62	25%	1 174	27%	31 005	31%
Undecided	84	33%	1 252	28%	27 793	28%
Disagree or strongly disagree	102	40%	1 941	44%	39 364	40%
no response/ambiguous response	4	2%	33	1%	602	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	67	27%	1 075	24%	26 623	27%
Undecided	90	36%	1 350	31%	28 596	29%
Disagree or strongly disagree	91	36%	1 951	44%	43 010	44%
no response/ambiguous response	4	2%	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
	252		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	172	68%	3 093	70%	66 218	67%
Undecided	58	23%	922	21%	21 620	22%
Hard or very hard	18	7%	352	8%	10 112	10%
no response/ambiguous response	4	2%	33	1%	814	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	145	58%	2 640	60%	59 158	60%
Undecided	53	21%	936	21%	20 381	21%
Hard or very hard	50	20%	798	18%	18 487	19%
no response/ambiguous response	4	2%	26	1%	738	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	107	42%	2 078	47%	47 683	48%
Undecided	79	31%	1 358	31%	28 744	29%
Hard or very hard	62	25%	929	21%	21 550	22%
no response/ambiguous response	4	2%	35	1%	787	1%
d. Analytic geometry (e.g., slope, y-intercept, equations of lines)						
Very easy or easy	122	48%	1 903	43%	40 227	41%
Undecided	69	27%	1 140	26%	25 381	26%
Hard or very hard	56	22%	1 318	30%	32 310	33%
no response/ambiguous response	5	2%	39	1%	846	1%
e. Measurement (e.g., perimeter, surface area, volume)						
Very easy or easy	205	81%	3 292	75%	74 375	75%
Undecided	28	11%	736	17%	15 853	16%
Hard or very hard	14	6%	327	7%	7 550	8%
no response/ambiguous response	5	2%	45	1%	986	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	
	252		4 400		98 764	
	#	% ²	#	% ²	#	% ²
f. Geometry (e.g., angles, quadrilaterals)						
Very easy or easy	156	62%	2 637	60%	62 616	63%
Undecided	60	24%	1 119	25%	22 566	23%
Hard or very hard	32	13%	596	14%	12 602	13%
no response/ambiguous response	4	2%	48	1%	980	1%

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

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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
	252		4 400		98 764	
3a. Do you have a computer <i>at home</i> that you use for mathematics school work?						
Yes	130	52%	2 144	49%	51 664	52%
No	116	46%	2 204	50%	46 122	47%
no response/ambiguous response	6	2%	52	1%	978	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	223	88%	3 789	86%	84 567	86%
No	22	9%	562	13%	13 246	13%
no response/ambiguous response	7	3%	49	1%	951	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	24	10%	662	15%	8 406	9%
No	220	87%	3 681	84%	89 175	90%
no response/ambiguous response	8	3%	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.	62	25%	1 201	27%	22 013	22%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	105	42%	1 694	38%	35 594	36%
I usually spend <i>30 minutes or less</i> on mathematics homework.	71	28%	1 358	31%	37 219	38%
I am not usually assigned any mathematics homework.	3	1%	83	2%	2 689	3%
no response/ambiguous response	11	4%	64	1%	1 249	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	22	9%	469	11%	11 626	12%
Sometimes	59	23%	1 160	26%	23 060	23%
Often or always	161	64%	2 705	61%	62 775	64%
no response/ambiguous response	10	4%	66	2%	1 303	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

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	252		4 400		98 764	
	#	% ²	#	% ²	#	% ²
5. What languages do you speak at home?						
Only or mostly English	171	68%	2 775	63%	75 675	77%
Another language (or languages) as often as English	42	17%	967	22%	13 200	13%
Mostly or only another language (or other languages)	28	11%	592	13%	8 522	9%
no response/ambiguous response	11	4%	66	2%	1 367	1%
6. How old are you?						
13 years or younger	2	1%	24	1%	839	1%
14 years	174	69%	2 786	63%	64 324	65%
15 years	62	25%	1 486	34%	31 232	32%
16 years or older	1	<1%	36	1%	1 046	1%
no response/ambiguous response	13	5%	68	2%	1 323	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	37	15%	843	19%	14 229	14%
One to four times	144	57%	2 480	56%	58 048	59%
Five to nine times	43	17%	717	16%	18 021	18%
10 or more times	15	6%	282	6%	7 035	7%
no response/ambiguous response	13	5%	78	2%	1 431	1%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	146	58%	2 158	49%	45 139	46%
One to four times	71	28%	1 565	36%	38 103	39%
Five to nine times	13	5%	358	8%	8 568	9%
10 or more times	9	4%	243	6%	5 493	6%
no response/ambiguous response	13	5%	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	
	252		4 400		98 764	
	#	% ²	#	% ²	#	% ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	94	37%	1 802	41%	27 575	28%
Two schools	87	35%	1 382	31%	34 973	35%
Three schools	38	15%	639	15%	18 970	19%
Four schools	9	4%	284	6%	8 460	9%
Five schools or more	12	5%	221	5%	7 298	7%
no response/ambiguous response	12	5%	72	2%	1 488	2%

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

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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	
	252		4 400		98 764	
	Female 111 % ²	Male 141 % 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	46%	63%	49%	58%	47%	57%
Undecided	26%	20%	25%	23%	27%	23%
Disagree or strongly disagree	26%	16%	26%	18%	27%	20%
no response/ambiguous response	2%	1%	<1%	<1%	<1%	<1%
b. I am good at mathematics.						
Strongly agree or agree	39%	55%	38%	54%	43%	57%
Undecided	38%	35%	38%	30%	33%	28%
Disagree or strongly disagree	23%	9%	24%	15%	24%	15%
no response/ambiguous response	1%	2%	<1%	1%	<1%	<1%
c. I understand most of the mathematics I am taught.						
Strongly agree or agree	75%	82%	69%	73%	67%	74%
Undecided	15%	12%	21%	19%	21%	17%
Disagree or strongly disagree	9%	4%	10%	8%	12%	8%
no response/ambiguous response	1%	1%	<1%	1%	<1%	<1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	44%	48%	40%	42%	33%	39%
Undecided	29%	27%	34%	31%	36%	30%
Disagree or strongly disagree	26%	23%	26%	26%	32%	30%
no response/ambiguous response	1%	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	63%	70%	54%	59%	53%	58%
Undecided	24%	23%	31%	27%	32%	29%
Disagree or strongly disagree	12%	6%	15%	12%	15%	13%
no response/ambiguous response	1%	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	
	Female 111 % ²	Male 141 % 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	27%	23%	26%	27%	31%	32%
Undecided	33%	33%	28%	29%	29%	28%
Disagree or strongly disagree	38%	43%	45%	43%	40%	40%
no response/ambiguous response	2%	1%	1%	1%	1%	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	19%	33%	20%	30%	22%	32%
Undecided	34%	37%	31%	30%	29%	29%
Disagree or strongly disagree	46%	28%	49%	39%	49%	38%
no response/ambiguous response	1%	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	
	252		4 400		98 764	
	Female 111 % ²	Male 141 % 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	59%	75%	67%	74%	64%	70%
Undecided	27%	20%	23%	19%	24%	20%
Hard or very hard	13%	3%	10%	6%	12%	9%
no response/ambiguous response	1%	2%	1%	1%	1%	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	59%	57%	61%	58%	61%	59%
Undecided	17%	24%	21%	22%	20%	21%
Hard or very hard	23%	17%	18%	19%	19%	19%
no response/ambiguous response	1%	2%	<1%	1%	1%	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	39%	45%	46%	49%	45%	51%
Undecided	32%	31%	31%	30%	30%	28%
Hard or very hard	29%	21%	22%	19%	24%	20%
no response/ambiguous response	1%	2%	1%	1%	1%	1%
d. Analytic geometry (e.g., slope, y-intercept, equations of lines)						
Very easy or easy	46%	50%	43%	44%	38%	44%
Undecided	31%	25%	25%	27%	26%	25%
Hard or very hard	23%	22%	32%	28%	35%	30%
no response/ambiguous response	1%	3%	1%	1%	1%	1%
e. Measurement (e.g., perimeter, surface area, volume)						
Very easy or easy	77%	84%	74%	76%	73%	77%
Undecided	14%	9%	17%	16%	17%	15%
Hard or very hard	8%	4%	8%	7%	8%	7%
no response/ambiguous response	1%	3%	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 111 % ²	Male 141 % 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	55%	67%	58%	63%	60%	67%
Undecided	25%	23%	26%	24%	24%	21%
Hard or very hard	18%	9%	15%	12%	14%	11%
no response/ambiguous response	2%	1%	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 111 % ²	Male 141 % 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	52%	51%	48%	49%	54%	51%
No	44%	48%	51%	50%	45%	48%
no response/ambiguous response	4%	1%	1%	1%	1%	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	88%	89%	89%	83%	88%	83%
No	7%	10%	10%	16%	11%	16%
no response/ambiguous response	5%	1%	1%	1%	1%	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	9%	10%	16%	14%	8%	9%
No	86%	89%	83%	85%	91%	90%
no response/ambiguous response	5%	1%	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.	31%	20%	32%	22%	25%	19%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	42%	41%	41%	36%	40%	32%
I usually spend <i>30 minutes or less</i> on mathematics homework.	19%	35%	25%	38%	32%	44%
I am not usually assigned any mathematics homework.	3%	0%	2%	2%	2%	4%
no response/ambiguous response	5%	4%	1%	1%	1%	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	6%	11%	9%	13%	9%	15%
Sometimes	22%	25%	24%	29%	21%	25%
Often or always	67%	62%	65%	57%	69%	58%
no response/ambiguous response	5%	3%	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 111 % ²	Male 141 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
	252		4 400		98 764	
5. What languages do you speak at home?						
Only or mostly English	67%	69%	63%	63%	77%	76%
Another language (or languages) as often as English	15%	18%	23%	21%	14%	13%
Mostly or only another language (or other languages)	13%	10%	13%	14%	8%	10%
no response/ambiguous response	5%	4%	1%	2%	1%	1%
6. How old are you?						
13 years or younger	1%	1%	<1%	1%	1%	1%
14 years	68%	70%	64%	63%	66%	64%
15 years	24%	25%	34%	34%	31%	32%
16 years or older	1%	0%	1%	1%	1%	1%
no response/ambiguous response	6%	4%	1%	2%	1%	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	11%	18%	17%	22%	12%	17%
One to four times	60%	55%	57%	55%	60%	58%
Five to nine times	14%	19%	17%	15%	19%	17%
10 or more times	8%	4%	7%	6%	7%	7%
no response/ambiguous response	6%	4%	2%	2%	1%	2%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	60%	56%	50%	48%	47%	45%
One to four times	30%	27%	36%	36%	39%	38%
Five to nine times	2%	8%	8%	9%	8%	9%
10 or more times	2%	5%	5%	7%	5%	6%
no response/ambiguous response	6%	4%	2%	2%	1%	2%

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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	
	Female 111 % ²	Male 141 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
	252		4 400		98 764	
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	29%	44%	40%	42%	28%	28%
Two schools	44%	27%	32%	31%	35%	35%
Three schools	14%	16%	15%	14%	19%	19%
Four schools	4%	4%	7%	6%	9%	8%
Five schools or more	4%	6%	5%	5%	7%	7%
no response/ambiguous response	5%	4%	2%	2%	1%	2%

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