

Student Questionnaire: Academic Program–All Students School Results

School: Don Bosco Catholic SS (703184)

Board: Toronto Catholic District School Board (67059)

Attitudes Toward Mathematics

Number of Respondents	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	113		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	45	40%	2 329	53%	50 913	52%
Undecided	31	27%	1 078	24%	24 605	25%
Disagree or strongly disagree	37	33%	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	47	42%	1 995	45%	49 024	50%
Undecided	38	34%	1 519	35%	29 991	30%
Disagree or strongly disagree	28	25%	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	59	52%	3 107	71%	69 703	71%
Undecided	40	35%	886	20%	18 689	19%
Disagree or strongly disagree	14	12%	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	35	31%	1 798	41%	35 108	36%
Undecided	33	29%	1 430	32%	32 704	33%
Disagree or strongly disagree	44	39%	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	
	113		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	66	58%	2 477	56%	54 717	55%
Undecided	30	27%	1 296	29%	29 962	30%
Disagree or strongly disagree	17	15%	604	14%	13 631	14%
no response/ambiguous response	0	0%	23	1%	454	<1%
f. Mathematics is boring.						
Strongly agree or agree	50	44%	1 174	27%	31 005	31%
Undecided	31	27%	1 252	28%	27 793	28%
Disagree or strongly disagree	29	26%	1 941	44%	39 364	40%
no response/ambiguous response	3	3%	33	1%	602	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	25	22%	1 075	24%	26 623	27%
Undecided	33	29%	1 350	31%	28 596	29%
Disagree or strongly disagree	54	48%	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
	113		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	64	57%	3 093	70%	66 218	67%
Undecided	35	31%	922	21%	21 620	22%
Hard or very hard	13	12%	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	49%	2 640	60%	59 158	60%
Undecided	28	25%	936	21%	20 381	21%
Hard or very hard	29	26%	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	45	40%	2 078	47%	47 683	48%
Undecided	47	42%	1 358	31%	28 744	29%
Hard or very hard	20	18%	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	34	30%	1 903	43%	40 227	41%
Undecided	43	38%	1 140	26%	25 381	26%
Hard or very hard	35	31%	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	68	60%	3 292	75%	74 375	75%
Undecided	26	23%	736	17%	15 853	16%
Hard or very hard	17	15%	327	7%	7 550	8%
no response/ambiguous response	2	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	
	113		4 400		98 764	
	#	% ²	#	% ²	#	% ²
f. Geometry (e.g., angles, quadrilaterals)						
Very easy or easy	49	43%	2 637	60%	62 616	63%
Undecided	46	41%	1 119	25%	22 566	23%
Hard or very hard	16	14%	596	14%	12 602	13%
no response/ambiguous response	2	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
3a. Do you have a computer <i>at home</i> that you use for mathematics school work?						
Yes	57	50%	2 144	49%	51 664	52%
No	55	49%	2 204	50%	46 122	47%
no response/ambiguous response	1	1%	52	1%	978	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	98	87%	3 789	86%	84 567	86%
No	14	12%	562	13%	13 246	13%
no response/ambiguous response	1	1%	49	1%	951	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	13	12%	662	15%	8 406	9%
No	99	88%	3 681	84%	89 175	90%
no response/ambiguous response	1	1%	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.	15	13%	1 201	27%	22 013	22%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	29	26%	1 694	38%	35 594	36%
I usually spend <i>30 minutes or less</i> on mathematics homework.	47	42%	1 358	31%	37 219	38%
I am not usually assigned any mathematics homework.	20	18%	83	2%	2 689	3%
no response/ambiguous response	2	2%	64	1%	1 249	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	14	12%	469	11%	11 626	12%
Sometimes	35	31%	1 160	26%	23 060	23%
Often or always	62	55%	2 705	61%	62 775	64%
no response/ambiguous response	2	2%	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
	113		4 400		98 764	
5. What languages do you speak at home?						
Only or mostly English	68	60%	2 775	63%	75 675	77%
Another language (or languages) as often as English	25	22%	967	22%	13 200	13%
Mostly or only another language (or other languages)	18	16%	592	13%	8 522	9%
no response/ambiguous response	2	2%	66	2%	1 367	1%
6. How old are you?						
13 years or younger	1	1%	24	1%	839	1%
14 years	74	65%	2 786	63%	64 324	65%
15 years	35	31%	1 486	34%	31 232	32%
16 years or older	1	1%	36	1%	1 046	1%
no response/ambiguous response	2	2%	68	2%	1 323	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	20	18%	843	19%	14 229	14%
One to four times	52	46%	2 480	56%	58 048	59%
Five to nine times	29	26%	717	16%	18 021	18%
10 or more times	10	9%	282	6%	7 035	7%
no response/ambiguous response	2	2%	78	2%	1 431	1%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	42	37%	2 158	49%	45 139	46%
One to four times	45	40%	1 565	36%	38 103	39%
Five to nine times	13	12%	358	8%	8 568	9%
10 or more times	10	9%	243	6%	5 493	6%
no response/ambiguous response	3	3%	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	
	113		4 400		98 764	
	#	% ²	#	% ²	#	% ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	51	45%	1 802	41%	27 575	28%
Two schools	33	29%	1 382	31%	34 973	35%
Three schools	13	12%	639	15%	18 970	19%
Four schools	6	5%	284	6%	8 460	9%
Five schools or more	6	5%	221	5%	7 298	7%
no response/ambiguous response	4	4%	72	2%	1 488	2%

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–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	113		4 400		98 764	
	Female 63 % ²	Male 50 % 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	24%	60%	49%	58%	47%	57%
Undecided	27%	28%	25%	23%	27%	23%
Disagree or strongly disagree	49%	12%	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%	62%	38%	54%	43%	57%
Undecided	38%	28%	38%	30%	33%	28%
Disagree or strongly disagree	37%	10%	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	40%	68%	69%	73%	67%	74%
Undecided	41%	28%	21%	19%	21%	17%
Disagree or strongly disagree	19%	4%	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	21%	44%	40%	42%	33%	39%
Undecided	29%	30%	34%	31%	36%	30%
Disagree or strongly disagree	49%	26%	26%	26%	32%	30%
no response/ambiguous response	2%	0%	<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	48%	72%	54%	59%	53%	58%
Undecided	35%	16%	31%	27%	32%	29%
Disagree or strongly disagree	17%	12%	15%	12%	15%	13%
no response/ambiguous response	0%	0%	<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 63 % ²	Male 50 % 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	51%	36%	26%	27%	31%	32%
Undecided	19%	38%	28%	29%	29%	28%
Disagree or strongly disagree	27%	24%	45%	43%	40%	40%
no response/ambiguous response	3%	2%	1%	1%	1%	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	13%	34%	20%	30%	22%	32%
Undecided	27%	32%	31%	30%	29%	29%
Disagree or strongly disagree	60%	32%	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 63 % ²	Male 50 % 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	52%	62%	67%	74%	64%	70%
Undecided	27%	36%	23%	19%	24%	20%
Hard or very hard	21%	0%	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	43%	56%	61%	58%	61%	59%
Undecided	25%	24%	21%	22%	20%	21%
Hard or very hard	32%	18%	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	40%	40%	46%	49%	45%	51%
Undecided	46%	36%	31%	30%	30%	28%
Hard or very hard	14%	22%	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	32%	28%	43%	44%	38%	44%
Undecided	32%	46%	25%	27%	26%	25%
Hard or very hard	37%	24%	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	54%	68%	74%	76%	73%	77%
Undecided	27%	18%	17%	16%	17%	15%
Hard or very hard	17%	12%	8%	7%	8%	7%
no response/ambiguous response	2%	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 63 % ²	Male 50 % 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	35%	54%	58%	63%	60%	67%
Undecided	44%	36%	26%	24%	24%	21%
Hard or very hard	19%	8%	15%	12%	14%	11%
no response/ambiguous response	2%	2%	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 63 % ²	Male 50 % 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	49%	52%	48%	49%	54%	51%
No	51%	46%	51%	50%	45%	48%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	83%	92%	89%	83%	88%	83%
No	17%	6%	10%	16%	11%	16%
no response/ambiguous response	0%	2%	1%	1%	1%	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	10%	14%	16%	14%	8%	9%
No	90%	84%	83%	85%	91%	90%
no response/ambiguous response	0%	2%	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.	13%	14%	32%	22%	25%	19%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	32%	18%	41%	36%	40%	32%
I usually spend <i>30 minutes or less</i> on mathematics homework.	37%	48%	25%	38%	32%	44%
I am not usually assigned any mathematics homework.	17%	18%	2%	2%	2%	4%
no response/ambiguous response	2%	2%	1%	1%	1%	1%
b. How often do you complete all of your mathematics homework?						
Never or seldom	16%	8%	9%	13%	9%	15%
Sometimes	33%	28%	24%	29%	21%	25%
Often or always	49%	62%	65%	57%	69%	58%
no response/ambiguous response	2%	2%	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 63 % ²	Male 50 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
	113		4 400		98 764	
5. What languages do you speak at home?						
Only or mostly English	63%	56%	63%	63%	77%	76%
Another language (or languages) as often as English	25%	18%	23%	21%	14%	13%
Mostly or only another language (or other languages)	10%	24%	13%	14%	8%	10%
no response/ambiguous response	2%	2%	1%	2%	1%	1%
6. How old are you?						
13 years or younger	2%	0%	<1%	1%	1%	1%
14 years	68%	62%	64%	63%	66%	64%
15 years	27%	36%	34%	34%	31%	32%
16 years or older	2%	0%	1%	1%	1%	1%
no response/ambiguous response	2%	2%	1%	2%	1%	1%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	16%	20%	17%	22%	12%	17%
One to four times	46%	46%	57%	55%	60%	58%
Five to nine times	27%	24%	17%	15%	19%	17%
10 or more times	10%	8%	7%	6%	7%	7%
no response/ambiguous response	2%	2%	2%	2%	1%	2%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	35%	40%	50%	48%	47%	45%
One to four times	41%	38%	36%	36%	39%	38%
Five to nine times	14%	8%	8%	9%	8%	9%
10 or more times	8%	10%	5%	7%	5%	6%
no response/ambiguous response	2%	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 63 % ²	Male 50 % ²	Female 2 393 % ²	Male 2 007 % ²	Female 50 835 % ²	Male 47 929 % ²
	113		4 400		98 764	
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	44%	46%	40%	42%	28%	28%
Two schools	33%	24%	32%	31%	35%	35%
Three schools	8%	16%	15%	14%	19%	19%
Four schools	8%	2%	7%	6%	9%	8%
Five schools or more	5%	6%	5%	5%	7%	7%
no response/ambiguous response	2%	6%	2%	2%	1%	2%

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