

Student Questionnaire: Applied Program–All Students School Results

School: James Cardinal McGuigan Catholic (723096)

Board: Toronto Catholic District School Board (67059)

Attitudes Toward Mathematics

Number of Respondents	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	45		1 956		42 804	
1. Indicate the degree to which you agree or disagree with each of the following statements.						
a. I like mathematics.						
Strongly agree or agree	19	42%	715	37%	14 741	34%
Undecided	11	24%	535	27%	11 898	28%
Disagree or strongly disagree	15	33%	696	36%	16 003	37%
no response/ambiguous response	0	0%	10	1%	162	<1%
b. I am good at mathematics.						
Strongly agree or agree	20	44%	588	30%	14 399	34%
Undecided	17	38%	743	38%	14 833	35%
Disagree or strongly disagree	8	18%	611	31%	13 331	31%
no response/ambiguous response	0	0%	14	1%	241	1%
c. I understand most of the mathematics I am taught.						
Strongly agree or agree	26	58%	1 184	61%	26 300	61%
Undecided	10	22%	516	26%	10 509	25%
Disagree or strongly disagree	8	18%	239	12%	5 715	13%
no response/ambiguous response	1	2%	17	1%	280	1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	26	58%	947	48%	16 942	40%
Undecided	8	18%	571	29%	13 501	32%
Disagree or strongly disagree	10	22%	418	21%	12 057	28%
no response/ambiguous response	1	2%	20	1%	304	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: Applied Program–All Students

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	#	% 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	21	47%	865	44%	18 328	43%
Undecided	15	33%	649	33%	14 484	34%
Disagree or strongly disagree	8	18%	420	21%	9 687	23%
no response/ambiguous response	1	2%	22	1%	305	1%
f. Mathematics is boring.						
Strongly agree or agree	12	27%	695	36%	18 231	43%
Undecided	16	36%	555	28%	11 198	26%
Disagree or strongly disagree	16	36%	676	35%	12 958	30%
no response/ambiguous response	1	2%	30	2%	417	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	7	16%	342	17%	9 251	22%
Undecided	12	27%	580	30%	12 717	30%
Disagree or strongly disagree	24	53%	1 010	52%	20 458	48%
no response/ambiguous response	2	4%	24	1%	378	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–All Students

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	#	% ²	#	% ²	#	% ²
	45		1 956		42 804	
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	24	53%	957	49%	19 826	46%
Undecided	14	31%	617	32%	14 121	33%
Hard or very hard	6	13%	350	18%	8 367	20%
no response/ambiguous response	1	2%	32	2%	490	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	18	40%	798	41%	18 119	42%
Undecided	15	33%	569	29%	11 696	27%
Hard or very hard	10	22%	555	28%	12 526	29%
no response/ambiguous response	2	4%	34	2%	463	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	23	51%	1 196	61%	25 907	61%
Undecided	15	33%	476	24%	10 403	24%
Hard or very hard	6	13%	249	13%	5 977	14%
no response/ambiguous response	1	2%	35	2%	517	1%
d. Measurement (e.g., perimeter, area, volume)						
Very easy or easy	31	69%	1 200	61%	27 490	64%
Undecided	10	22%	448	23%	9 307	22%
Hard or very hard	3	7%	270	14%	5 421	13%
no response/ambiguous response	1	2%	38	2%	586	1%
e. Geometry (e.g., angles, parallel lines, quadrilaterals)						
Very easy or easy	23	51%	733	37%	17 887	42%
Undecided	11	24%	663	34%	13 608	32%
Hard or very hard	10	22%	519	27%	10 733	25%
no response/ambiguous response	1	2%	41	2%	576	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: Applied 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	16	36%	814	42%	18 064	42%
No	28	62%	1 116	57%	24 253	57%
no response/ambiguous response	1	2%	26	1%	487	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	32	71%	1 514	77%	30 948	72%
No	12	27%	422	22%	11 372	27%
no response/ambiguous response	1	2%	20	1%	484	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	9	20%	250	13%	3 551	8%
No	35	78%	1 675	86%	38 669	90%
no response/ambiguous response	1	2%	31	2%	584	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.	5	11%	332	17%	5 266	12%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	12	27%	577	29%	9 518	22%
I usually spend <i>30 minutes or less</i> on mathematics homework.	24	53%	862	44%	19 777	46%
I am not usually assigned any mathematics homework.	2	4%	152	8%	7 534	18%
no response/ambiguous response	2	4%	33	2%	709	2%
b. How often do you complete all of your mathematics homework?						
Never or seldom	0	0%	273	14%	6 843	16%
Sometimes	18	40%	721	37%	13 239	31%
Often or always	25	56%	927	47%	22 057	52%
no response/ambiguous response	2	4%	35	2%	665	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: Applied Program–All Students

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	#	% ²	#	% ²	#	% ²
5. What languages do you speak at home?						
Only or mostly English	26	58%	1 126	58%	34 972	82%
Another language (or languages) as often as English	14	31%	481	25%	4 482	10%
Mostly or only another language (or other languages)	3	7%	321	16%	2 714	6%
no response/ambiguous response	2	4%	28	1%	636	1%
6. How old are you?						
13 years or younger	0	0%	10	1%	235	1%
14 years	20	44%	1 069	55%	22 967	54%
15 years	15	33%	709	36%	15 510	36%
16 years or older	8	18%	134	7%	3 399	8%
no response/ambiguous response	2	4%	34	2%	693	2%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	6	13%	301	15%	4 653	11%
One to four times	21	47%	913	47%	20 555	48%
Five to nine times	11	24%	412	21%	9 938	23%
10 or more times	5	11%	296	15%	6 942	16%
no response/ambiguous response	2	4%	34	2%	716	2%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	8	18%	660	34%	13 291	31%
One to four times	19	42%	701	36%	16 699	39%
Five to nine times	9	20%	268	14%	6 410	15%
10 or more times	7	16%	287	15%	5 659	13%
no response/ambiguous response	2	4%	40	2%	745	2%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–All Students

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	#	% ²	#	% ²	#	% ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	15	33%	699	36%	11 235	26%
Two schools	12	27%	653	33%	13 593	32%
Three schools	9	20%	291	15%	8 197	19%
Four schools	3	7%	145	7%	4 278	10%
Five schools or more	3	7%	124	6%	4 764	11%
no response/ambiguous response	3	7%	44	2%	737	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: Applied Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % 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	28%	52%	30%	42%	28%	40%
Undecided	28%	22%	28%	26%	28%	27%
Disagree or strongly disagree	44%	26%	41%	31%	43%	32%
no response/ambiguous response	0%	0%	<1%	1%	<1%	<1%
b. I am good at mathematics.						
Strongly agree or agree	22%	59%	23%	36%	25%	41%
Undecided	61%	22%	39%	37%	35%	34%
Disagree or strongly disagree	17%	19%	37%	27%	39%	24%
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%	56%	59%	62%	57%	65%
Undecided	22%	22%	27%	26%	27%	23%
Disagree or strongly disagree	17%	19%	14%	11%	16%	11%
no response/ambiguous response	0%	4%	<1%	1%	1%	1%
d. The mathematics I learn now is very useful for everyday life.						
Strongly agree or agree	50%	63%	47%	50%	36%	42%
Undecided	11%	22%	32%	27%	34%	30%
Disagree or strongly disagree	33%	15%	21%	22%	29%	27%
no response/ambiguous response	6%	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	33%	56%	42%	46%	38%	46%
Undecided	44%	26%	33%	33%	35%	33%
Disagree or strongly disagree	17%	19%	24%	19%	26%	20%
no response/ambiguous response	6%	0%	1%	2%	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: Applied Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % ²
f. Mathematics is boring.						
Strongly agree or agree	28%	26%	37%	34%	44%	41%
Undecided	44%	30%	27%	30%	26%	26%
Disagree or strongly disagree	22%	44%	35%	34%	30%	31%
no response/ambiguous response	6%	0%	1%	2%	1%	1%
g. Mathematics is an easy subject.						
Strongly agree or agree	11%	19%	14%	21%	16%	26%
Undecided	22%	30%	28%	31%	28%	31%
Disagree or strongly disagree	61%	48%	58%	46%	55%	42%
no response/ambiguous response	6%	4%	1%	2%	1%	1%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–By Gender

Attitudes Toward Mathematics

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % 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	56%	52%	47%	50%	43%	49%
Undecided	22%	37%	30%	33%	33%	33%
Hard or very hard	17%	11%	21%	16%	23%	17%
no response/ambiguous response	6%	0%	2%	2%	1%	1%
b. Algebra (e.g., solving equations, simplifying expressions with polynomials)						
Very easy or easy	44%	37%	41%	41%	43%	42%
Undecided	33%	33%	29%	29%	26%	29%
Hard or very hard	17%	26%	29%	28%	31%	28%
no response/ambiguous response	6%	4%	1%	2%	1%	1%
c. Linear relations (e.g., scatter plots, lines of best fit)						
Very easy or easy	50%	52%	61%	61%	59%	61%
Undecided	39%	30%	24%	25%	24%	24%
Hard or very hard	6%	19%	13%	12%	15%	13%
no response/ambiguous response	6%	0%	2%	2%	1%	1%
d. Measurement (e.g., perimeter, area, volume)						
Very easy or easy	78%	63%	61%	62%	63%	65%
Undecided	11%	30%	22%	23%	22%	21%
Hard or very hard	6%	7%	15%	13%	14%	12%
no response/ambiguous response	6%	0%	2%	2%	1%	1%
e. Geometry (e.g., angles, parallel lines, quadrilaterals)						
Very easy or easy	56%	48%	36%	39%	37%	46%
Undecided	22%	26%	32%	35%	32%	31%
Hard or very hard	17%	26%	30%	24%	30%	21%
no response/ambiguous response	6%	0%	2%	2%	1%	2%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–By Gender

Background

Number of Respondents	School ¹		Board ¹		Province ¹	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % ²
3a. Do you have a computer <i>at home</i> that you use for mathematics school work?						
Yes	28%	41%	43%	40%	43%	42%
No	67%	59%	55%	59%	56%	57%
no response/ambiguous response	6%	0%	2%	1%	1%	1%
b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?						
Yes	67%	74%	81%	74%	76%	70%
No	28%	26%	18%	25%	23%	29%
no response/ambiguous response	6%	0%	1%	1%	1%	1%
c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?						
Yes	11%	26%	12%	14%	7%	9%
No	83%	74%	87%	85%	91%	89%
no response/ambiguous response	6%	0%	2%	2%	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.	6%	15%	19%	16%	13%	11%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	33%	22%	34%	25%	25%	20%
I usually spend <i>30 minutes or less</i> on mathematics homework.	50%	56%	39%	48%	45%	47%
I am not usually assigned any mathematics homework.	0%	7%	7%	9%	15%	19%
no response/ambiguous response	11%	0%	1%	2%	1%	2%
b. How often do you complete all of your mathematics homework?						
Never or seldom	0%	0%	10%	17%	13%	18%
Sometimes	39%	41%	35%	38%	31%	31%
Often or always	50%	59%	53%	42%	55%	49%
no response/ambiguous response	11%	0%	1%	2%	1%	2%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–By Gender

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	45		1 956		42 804	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % ²
5. What languages do you speak at home?						
Only or mostly English	67%	52%	57%	58%	82%	81%
Another language (or languages) as often as English	17%	41%	26%	23%	11%	10%
Mostly or only another language (or other languages)	6%	7%	16%	17%	5%	7%
no response/ambiguous response	11%	0%	1%	2%	1%	2%
6. How old are you?						
13 years or younger	0%	0%	<1%	1%	<1%	1%
14 years	22%	59%	56%	54%	56%	52%
15 years	56%	19%	36%	37%	35%	37%
16 years or older	11%	22%	7%	7%	7%	9%
no response/ambiguous response	11%	0%	1%	2%	1%	2%
7. How often have you been absent from your Grade 9 mathematics class this year?						
Never	6%	19%	14%	17%	9%	13%
One to four times	44%	48%	47%	46%	48%	48%
Five to nine times	11%	33%	20%	22%	24%	22%
10 or more times	28%	0%	18%	13%	17%	15%
no response/ambiguous response	11%	0%	1%	2%	2%	2%
8. How often have you been late for your Grade 9 mathematics class this year?						
Never	11%	22%	34%	33%	31%	31%
One to four times	44%	41%	38%	34%	40%	38%
Five to nine times	22%	19%	13%	14%	15%	15%
10 or more times	11%	19%	13%	16%	13%	14%
no response/ambiguous response	11%	0%	2%	2%	2%	2%

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Grade 9 Assessment of Mathematics, 2006–2007

Student Questionnaire: Applied Program–By Gender

Background

<i>Number of Respondents</i>	School ¹		Board ¹		Province ¹	
	Female 18 % ²	Male 27 % ²	Female 908 % ²	Male 1 048 % ²	Female 19 453 % ²	Male 23 351 % ²
9. How many elementary schools (kindergarten to Grade 8) did you attend?						
One school	33%	33%	34%	38%	25%	27%
Two schools	17%	33%	34%	33%	32%	31%
Three schools	28%	15%	16%	14%	19%	19%
Four schools	6%	7%	8%	7%	10%	10%
Five schools or more	6%	7%	6%	6%	12%	11%
no response/ambiguous response	11%	4%	2%	3%	2%	2%

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