



## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program—All Students

#### School Results

**School** : James Cardinal McGuigan Catholic (723096)

**Board** : Toronto Catholic District School Board (67059)

#### Attitudes Toward Mathematics

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>1. Indicate the degree to which you agree or disagree with each of the following statements.</b>						
<b>a. I like mathematics.</b>						
Strongly agree <b>or</b> agree	41	51%	2 411	54%	52 708	52%
Undecided	17	21%	1 090	24%	23 222	23%
Disagree <b>or</b> strongly disagree	23	28%	932	21%	23 121	23%
no response/ambiguous response	0	0%	49	1%	1 739	2%
<b>b. I am good at mathematics.</b>						
Strongly agree <b>or</b> agree	37	46%	2 167	48%	53 189	53%
Undecided	29	36%	1 424	32%	27 690	27%
Disagree <b>or</b> strongly disagree	15	19%	835	19%	17 783	18%
no response/ambiguous response	0	0%	56	1%	2 128	2%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree <b>or</b> agree	59	73%	3 237	72%	73 569	73%
Undecided	17	21%	788	18%	16 043	16%
Disagree <b>or</b> strongly disagree	5	6%	385	9%	8 821	9%
no response/ambiguous response	0	0%	72	2%	2 357	2%
<b>d. The mathematics I learn now is very useful for everyday life.</b>						
Strongly agree <b>or</b> agree	43	53%	2 011	45%	39 365	39%
Undecided	27	33%	1 413	32%	32 322	32%
Disagree <b>or</b> strongly disagree	11	14%	985	22%	26 645	26%
no response/ambiguous response	0	0%	73	2%	2 458	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.

Note: N/R "Not reported" indicates that the number of respondents who completed a questionnaire is so small (fewer than six) that identification of individual results might be possible; results are not reported.

## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program–All Students

#### Attitudes Toward Mathematics

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>e. I need to keep taking mathematics for the kind of job I want after I leave school.</b>						
Strongly agree or agree	49	60%	2 516	56%	56 662	56%
Undecided	21	26%	1 337	30%	29 871	30%
Disagree or strongly disagree	11	14%	559	12%	11 910	12%
no response/ambiguous response	0	0%	70	2%	2 347	2%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	20	25%	1 198	27%	31 145	31%
Undecided	25	31%	1 291	29%	27 941	28%
Disagree or strongly disagree	36	44%	1 915	43%	39 039	39%
no response/ambiguous response	0	0%	78	2%	2 665	3%
<b>g. Mathematics is an easy subject.</b>						
Strongly agree or agree	22	27%	1 203	27%	29 338	29%
Undecided	21	26%	1 291	29%	27 373	27%
Disagree or strongly disagree	37	46%	1 914	43%	41 433	41%
no response/ambiguous response	1	1%	74	2%	2 646	3%

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## Grade 9 Assessment of Mathematics, 2005-2006

Student Questionnaire:  
Academic Program–All Students

## Attitudes Toward Mathematics

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>2. Indicate how easy or hard you find mathematics questions that deal with the following.</b>						
<b>a. Number sense (e.g., operations with integers, rational numbers, exponents)</b>						
Very easy or easy	55	68%	3 086	69%	67 080	67%
Undecided	19	23%	963	21%	21 142	21%
Hard or very hard	6	7%	348	8%	9 828	10%
no response/ambiguous response	1	1%	85	2%	2 740	3%
<b>b. Algebra (e.g., solving equations, simplifying expressions with polynomials)</b>						
Very easy or easy	45	56%	2 650	59%	59 080	59%
Undecided	21	26%	993	22%	20 079	20%
Hard or very hard	14	17%	738	16%	18 402	18%
no response/ambiguous response	1	1%	101	2%	3 229	3%
<b>c. Linear relations (e.g., scatter plots, lines of best fit)</b>						
Very easy or easy	31	38%	2 248	50%	54 480	54%
Undecided	34	42%	1 324	30%	26 136	26%
Hard or very hard	14	17%	808	18%	17 031	17%
no response/ambiguous response	2	2%	102	2%	3 143	3%
<b>d. Analytic geometry (e.g., slope, y-intercept, equations of lines)</b>						
Very easy or easy	14	17%	711	16%	17 936	18%
Undecided	13	16%	384	9%	10 916	11%
Hard or very hard	9	11%	337	8%	13 158	13%
no response/ambiguous response	45	56%	3 050	68%	58 780	58%
<b>e. Measurement (e.g., perimeter, surface area, volume)</b>						
Very easy or easy	47	58%	3 400	76%	74 126	74%
Undecided	16	20%	665	15%	15 157	15%
Hard or very hard	15	19%	303	7%	7 898	8%
no response/ambiguous response	3	4%	114	3%	3 609	4%

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### Student Questionnaire: Academic Program–All Students

#### Attitudes Toward Mathematics

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>f. Geometry (e.g., angles, quadrilaterals)</b>						
Very easy <b>or</b> easy	45	56%	2 992	67%	65 524	65%
Undecided	18	22%	920	21%	20 403	20%
Hard <b>or</b> very hard	15	19%	464	10%	11 160	11%
no response/ambiguous response	3	4%	106	2%	3 703	4%

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## Grade 9 Assessment of Mathematics, 2005-2006

Student Questionnaire:  
Academic Program—All Students

## Background

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>3a. Do you have a computer <i>at home</i> that you use for mathematics school work?</b>						
Yes	45	56%	2 180	49%	49 442	49%
No	33	41%	2 183	49%	47 983	48%
no response/ambiguous response	3	4%	119	3%	3 365	3%
<b>b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?</b>						
Yes	58	72%	3 792	85%	83 903	83%
No	19	23%	554	12%	13 103	13%
no response/ambiguous response	4	5%	136	3%	3 784	4%
<b>c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?</b>						
Yes	3	4%	682	15%	7 275	7%
No	75	93%	3 665	82%	90 084	89%
no response/ambiguous response	3	4%	135	3%	3 431	3%
<b>4a. How much time do you <i>usually</i> spend on mathematics homework (in or out of school) on any given day?</b>						
I usually spend <i>more than 45 minutes</i> on mathematics homework.	23	28%	1 167	26%	20 726	21%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	40	49%	1 681	38%	35 271	35%
I usually spend <i>30 minutes or less</i> on mathematics homework.	15	19%	1 429	32%	39 033	39%
I am not usually assigned any mathematics homework.	0	0%	57	1%	2 671	3%
no response/ambiguous response	3	4%	148	3%	3 089	3%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never <b>or</b> seldom	1	1%	392	9%	9 553	9%
Sometimes	20	25%	1 147	26%	22 698	23%
Often <b>or</b> always	57	70%	2 794	62%	65 337	65%
no response/ambiguous response	3	4%	149	3%	3 202	3%

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## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program–All Students

#### Background

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
	81		4 482		100 790	
<b>5. What languages do you speak at home?</b>						
Only or mostly English	40	49%	2 736	61%	76 254	76%
Another language (or languages) as often as English	20	25%	1 025	23%	13 108	13%
Mostly or only another language (or other languages)	18	22%	573	13%	8 301	8%
no response/ambiguous response	3	4%	148	3%	3 127	3%
<b>6. How old are you?</b>						
13 years or younger	0	0%	24	1%	613	1%
14 years	50	62%	2 806	63%	64 811	64%
15 years	27	33%	1 457	33%	31 134	31%
16 years or older	0	0%	46	1%	1 060	1%
no response/ambiguous response	4	5%	149	3%	3 172	3%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	14	17%	787	18%	12 613	13%
One to four times	45	56%	2 527	56%	57 631	57%
Five to nine times	12	15%	682	15%	19 515	19%
10 or more times	6	7%	339	8%	7 764	8%
no response/ambiguous response	4	5%	147	3%	3 267	3%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	28	35%	2 094	47%	45 916	46%
One to four times	32	40%	1 628	36%	38 212	38%
Five to nine times	13	16%	384	9%	8 247	8%
10 or more times	5	6%	230	5%	5 150	5%
no response/ambiguous response	3	4%	146	3%	3 265	3%

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## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program–All Students

#### Background

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
One school	29	36%	1 770	39%	26 933	27%
Two schools	20	25%	1 441	32%	34 936	35%
Three schools	16	20%	643	14%	19 396	19%
Four schools	4	5%	263	6%	8 744	9%
Five schools or more	9	11%	218	5%	7 496	7%
no response/ambiguous response	3	4%	147	3%	3 285	3%

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## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program—By Gender

#### School Results

**School** : James Cardinal McGuigan Catholic (723096)

**Board** : Toronto Catholic District School Board (67059)

#### Attitudes Toward Mathematics

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>1. Indicate the degree to which you agree or disagree with each of the following statements.</b>						
<b>a. I like mathematics.</b>						
Strongly agree or agree	48%	55%	49%	59%	48%	57%
Undecided	21%	21%	27%	22%	25%	21%
Disagree or strongly disagree	31%	24%	24%	18%	26%	20%
no response/ambiguous response	0%	0%	1%	2%	2%	2%
<b>b. I am good at mathematics.</b>						
Strongly agree or agree	40%	55%	42%	56%	47%	59%
Undecided	33%	39%	35%	28%	30%	25%
Disagree or strongly disagree	27%	6%	23%	14%	22%	13%
no response/ambiguous response	0%	0%	1%	2%	2%	2%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree or agree	69%	79%	70%	75%	70%	76%
Undecided	23%	18%	20%	15%	17%	14%
Disagree or strongly disagree	8%	3%	9%	8%	10%	7%
no response/ambiguous response	0%	0%	1%	2%	2%	2%
<b>d. The mathematics I learn now is very useful for everyday life.</b>						
Strongly agree or agree	56%	48%	43%	47%	36%	42%
Undecided	29%	39%	33%	30%	35%	29%
Disagree or strongly disagree	15%	12%	23%	21%	27%	26%
no response/ambiguous response	0%	0%	1%	2%	2%	3%

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

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N/D "No data available" is used to indicate that there were no respondents in a given program for a given gender group.

## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program– By Gender

#### Attitudes Toward Mathematics

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>e. I need to keep taking mathematics for the kind of job I want after I leave school.</b>						
Strongly agree or agree	58%	64%	53%	59%	54%	59%
Undecided	23%	30%	31%	29%	31%	28%
Disagree or strongly disagree	19%	6%	14%	10%	13%	11%
no response/ambiguous response	0%	0%	1%	2%	2%	2%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	21%	30%	26%	27%	31%	31%
Undecided	27%	36%	28%	29%	28%	27%
Disagree or strongly disagree	52%	33%	44%	41%	39%	39%
no response/ambiguous response	0%	0%	1%	2%	3%	3%
<b>g. Mathematics is an easy subject.</b>						
Strongly agree or agree	25%	30%	22%	32%	24%	34%
Undecided	23%	30%	29%	28%	27%	27%
Disagree or strongly disagree	50%	39%	47%	37%	46%	36%
no response/ambiguous response	2%	0%	1%	2%	3%	3%

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## Grade 9 Assessment of Mathematics, 2005-2006

Student Questionnaire:  
Academic Program– By Gender

## Attitudes Toward Mathematics

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>2. Indicate how easy or hard you find mathematics questions that deal with the following.</b>						
<b>a. Number sense (e.g., operations with integers, rational numbers, exponents)</b>						
Very easy or easy	60%	79%	66%	72%	63%	71%
Undecided	27%	18%	23%	20%	23%	19%
Hard or very hard	10%	3%	9%	6%	12%	8%
no response/ambiguous response	2%	0%	1%	2%	3%	3%
<b>b. Algebra (e.g., solving equations, simplifying expressions with polynomials)</b>						
Very easy or easy	52%	61%	62%	56%	59%	58%
Undecided	23%	30%	22%	23%	20%	20%
Hard or very hard	23%	9%	15%	18%	18%	18%
no response/ambiguous response	2%	0%	2%	3%	3%	3%
<b>c. Linear relations (e.g., scatter plots, lines of best fit)</b>						
Very easy or easy	35%	42%	48%	53%	52%	57%
Undecided	48%	33%	31%	27%	27%	25%
Hard or very hard	15%	21%	19%	17%	18%	15%
no response/ambiguous response	2%	3%	2%	3%	3%	3%
<b>d. Analytic geometry (e.g., slope, y-intercept, equations of lines)</b>						
Very easy or easy	19%	15%	14%	18%	16%	19%
Undecided	15%	18%	8%	9%	11%	11%
Hard or very hard	15%	6%	9%	6%	14%	12%
no response/ambiguous response	52%	61%	69%	67%	58%	58%
<b>e. Measurement (e.g., perimeter, surface area, volume)</b>						
Very easy or easy	56%	61%	74%	78%	71%	76%
Undecided	21%	18%	16%	14%	16%	14%
Hard or very hard	19%	18%	9%	5%	9%	7%
no response/ambiguous response	4%	3%	2%	3%	3%	4%

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## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program– By Gender

#### Attitudes Toward Mathematics

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>f. Geometry (e.g., angles, quadrilaterals)</b>						
Very easy <b>or</b> easy	52%	61%	65%	69%	62%	68%
Undecided	25%	18%	21%	21%	22%	19%
Hard <b>or</b> very hard	17%	21%	13%	8%	13%	10%
no response/ambiguous response	6%	0%	2%	3%	3%	4%

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Student Questionnaire:  
Academic Program– By Gender

## Background

Number of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	81		4 482		100 790	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>3a. Do you have a computer <i>at home</i> that you use for mathematics school work?</b>						
Yes	48%	67%	50%	47%	50%	48%
No	46%	33%	47%	50%	47%	49%
no response/ambiguous response	6%	0%	2%	3%	3%	4%
<b>b. Do you have a scientific calculator <i>at home</i> that you use for mathematics school work?</b>						
Yes	75%	67%	88%	81%	85%	81%
No	17%	33%	10%	15%	11%	15%
no response/ambiguous response	8%	0%	3%	3%	3%	4%
<b>c. Do you have a graphing calculator <i>at home</i> that you use for mathematics school work?</b>						
Yes	4%	3%	16%	14%	7%	8%
No	90%	97%	81%	83%	90%	88%
no response/ambiguous response	6%	0%	3%	4%	3%	4%
<b>4a. How much time do you usually spend on mathematics homework (in or out of school) on any given day?</b>						
I usually spend <i>more than 45 minutes</i> on mathematics homework.	27%	30%	30%	22%	24%	17%
I usually spend <i>between 31 and 45 minutes</i> on mathematics homework.	58%	36%	41%	34%	38%	31%
I usually spend <i>30 minutes or less</i> on mathematics homework.	8%	33%	26%	39%	33%	45%
I am not usually assigned any mathematics homework.	0%	0%	1%	2%	2%	4%
no response/ambiguous response	6%	0%	3%	4%	3%	3%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never <b>or</b> seldom	0%	3%	7%	11%	7%	12%
Sometimes	17%	36%	23%	28%	20%	25%
Often <b>or</b> always	77%	61%	67%	57%	70%	60%
no response/ambiguous response	6%	0%	3%	3%	3%	3%

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#### Background

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
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	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>5. What languages do you speak at home?</b>						
Only or mostly English	44%	58%	62%	60%	76%	75%
Another language (or languages) as often as English	29%	18%	24%	22%	13%	13%
Mostly or only another language (or other languages)	21%	24%	12%	14%	7%	9%
no response/ambiguous response	6%	0%	3%	3%	3%	3%
<b>6. How old are you?</b>						
13 years or younger	0%	0%	1%	<1%	1%	1%
14 years	62%	61%	64%	61%	65%	63%
15 years	31%	36%	32%	34%	30%	32%
16 years or older	0%	0%	1%	1%	1%	1%
no response/ambiguous response	6%	3%	3%	3%	3%	3%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	17%	18%	17%	19%	11%	14%
One to four times	58%	52%	57%	56%	58%	56%
Five to nine times	15%	15%	15%	15%	20%	18%
10 or more times	4%	12%	8%	7%	8%	8%
no response/ambiguous response	6%	3%	3%	3%	3%	3%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	38%	30%	50%	43%	46%	45%
One to four times	38%	42%	36%	37%	38%	38%
Five to nine times	15%	18%	7%	10%	8%	9%
10 or more times	4%	9%	4%	6%	4%	6%
no response/ambiguous response	6%	0%	3%	3%	3%	3%

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 respondents who completed a questionnaire is so small (fewer than six) that identification of individual results might be possible; results are not reported.

N/D "No data available" is used to indicate that there were no respondents in a given program for a given gender group.

## Grade 9 Assessment of Mathematics, 2005-2006

### Student Questionnaire: Academic Program– By Gender

#### Background

<i>Number of Respondents</i>	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	Female 48 % <sup>2</sup>	Male 33 % <sup>2</sup>	Female 2 355 % <sup>2</sup>	Male 2 127 % <sup>2</sup>	Female 51 902 % <sup>2</sup>	Male 48 888 % <sup>2</sup>
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
One school	33%	39%	38%	41%	27%	27%
Two schools	25%	24%	32%	32%	35%	35%
Three schools	17%	24%	14%	14%	19%	19%
Four schools	4%	6%	6%	5%	9%	9%
Five schools or more	15%	6%	5%	4%	7%	7%
no response/ambiguous response	6%	0%	3%	3%	3%	3%

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 respondents who completed a questionnaire is so small (fewer than six) that identification of individual results might be possible; results are not reported.

N/D "No data available" is used to indicate that there were no respondents in a given program for a given gender group.