



# Grade 9 Assessment of Mathematics, 2003-2004

## Student Questionnaire: Applied Program - All Students

### School Results

**School : Mary Ward Catholic SS (730882)**

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

### Attitudes Toward Mathematics

# of Respondents	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 or agree	18	26%	657	33%	14 722	32%
Undecided	12	17%	497	25%	11 269	25%
Disagree or strongly disagree	40	57%	854	42%	19 185	42%
no response	0	0%	7	<1%	200	<1%
<b>b. I am good at mathematics.</b>						
Strongly agree or agree	14	20%	489	24%	14 365	32%
Undecided	24	34%	707	35%	14 919	33%
Disagree or strongly disagree	32	46%	804	40%	15 796	35%
no response	0	0%	15	1%	296	1%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree or agree	35	50%	1 061	53%	26 562	59%
Undecided	22	31%	549	27%	10 821	24%
Disagree or strongly disagree	12	17%	381	19%	7 513	17%
no response	1	1%	24	1%	480	1%
<b>d. The mathematics I learn now is very useful for everyday life.</b>						
Strongly agree or agree	34	49%	931	46%	17 142	38%
Undecided	23	33%	561	28%	13 564	30%
Disagree or strongly disagree	13	19%	503	25%	14 264	31%
no response	0	0%	20	1%	406	1%

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

<sup>2</sup> Percentages may not add up to 100, due to rounding.

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### Attitudes Toward Mathematics

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	#	% <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>e. I need to keep taking mathematics for the kind of job I want after I leave school.</b>						
Strongly agree or agree	26	37%	820	41%	18 666	41%
Undecided	22	31%	680	34%	15 263	34%
Disagree or strongly disagree	22	31%	492	24%	11 136	25%
no response	0	0%	23	1%	311	1%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	37	53%	864	43%	21 081	46%
Undecided	22	31%	487	24%	10 802	24%
Disagree or strongly disagree	11	16%	645	32%	13 205	29%
no response	0	0%	19	1%	288	1%
<b>g. Mathematics is an easy subject.</b>						
Strongly agree or agree	7	10%	285	14%	8 771	19%
Undecided	19	27%	497	25%	12 511	28%
Disagree or strongly disagree	44	63%	1 203	60%	23 612	52%
no response	0	0%	30	1%	482	1%
<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	32	46%	935	46%	21 419	47%
Undecided	21	30%	667	33%	14 395	32%
Hard or very hard	17	24%	390	19%	9 166	20%
no response	0	0%	23	1%	396	1%
<b>b. algebra (e.g., solving equations, simplifying expressions with polynomials)</b>						
Very easy or easy	26	37%	710	35%	17 079	38%
Undecided	20	29%	586	29%	13 051	29%
Hard or very hard	24	34%	688	34%	14 838	33%
no response	0	0%	31	2%	408	1%
<b>c. relationships (e.g., scatter plots, lines of best fit)</b>						
Very easy or easy	35	50%	974	48%	25 071	55%
Undecided	17	24%	584	29%	12 150	27%
Hard or very hard	18	26%	418	21%	7 633	17%
no response	0	0%	39	2%	522	1%

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### Student Questionnaire: Applied Program - All Students

#### Attitudes Toward Mathematics

# of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	#	% <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>d. analytic geometry (e.g., slope, y-intercept, equations of lines)</b>						
Very easy or easy	24	34%	780	39%	18 038	40%
Undecided	25	36%	551	27%	12 953	29%
Hard or very hard	20	29%	639	32%	13 720	30%
no response	1	1%	45	2%	665	1%
<b>e. measurement (e.g., volume, perimeter, surface area)</b>						
Very easy or easy	48	69%	1 080	54%	26 419	58%
Undecided	16	23%	546	27%	10 707	24%
Hard or very hard	6	9%	352	17%	7 739	17%
no response	0	0%	37	2%	511	1%
<b>f. geometry (e.g., angles, medians, quadrilaterals)</b>						
Very easy or easy	28	40%	758	38%	19 449	43%
Undecided	27	39%	718	36%	14 744	32%
Hard or very hard	15	21%	507	25%	10 728	24%
no response	0	0%	32	2%	455	1%

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### Student Questionnaire: Applied Program - All Students

#### Background

# of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>3a. Do you have a computer at home that you use for school work?</b>						
Yes	64	91%	1 625	81%	37 237	82%
No	5	7%	360	18%	7 710	17%
no response	1	1%	30	1%	429	1%
<b>b. Do you have a scientific calculator at home that you use for school work?</b>						
Yes	40	57%	1 489	74%	32 991	73%
No	29	41%	491	24%	11 872	26%
no response	1	1%	35	2%	513	1%
<b>c. Do you have a graphing calculator at home that you use for school work?</b>						
Yes	20	29%	178	9%	2 923	6%
No	49	70%	1 800	89%	41 927	92%
no response	1	1%	37	2%	526	1%
<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 more than 45 minutes on mathematics homework.	20	29%	338	17%	5 447	12%
I usually spend between 31 and 45 minutes on mathematics homework.	15	21%	595	30%	10 189	22%
I usually spend 30 minutes or less on mathematics homework.	26	37%	889	44%	22 170	49%
I usually am not assigned any mathematics homework.	8	11%	150	7%	6 882	15%
no response	1	1%	43	2%	688	2%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never or seldom	10	14%	281	14%	6 867	15%
Sometimes	31	44%	749	37%	14 473	32%
Often or always	28	40%	945	47%	23 477	52%
no response	1	1%	40	2%	559	1%
<b>5. What languages do you speak at home?</b>						
Only or mostly English.	50	71%	1 153	57%	37 126	82%
Another language (or languages) as often as English	13	19%	497	25%	4 819	11%
Mostly or only another language (or other languages)	6	9%	325	16%	2 873	6%
no response	1	1%	40	2%	558	1%

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# of Respondents	School <sup>1</sup>		Board <sup>1</sup>		Province <sup>1</sup>	
	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>6. How old are you?</b>						
13 years or younger	0	0%	2	<1%	98	<1%
14 years	28	40%	1 036	51%	21 971	48%
15 years	28	40%	678	34%	16 227	36%
16 years or older	14	20%	200	10%	5 316	12%
no response	0	0%	99	5%	1 764	4%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	11	16%	262	13%	4 279	9%
1-4 times	26	37%	880	44%	19 888	44%
5-9 times	12	17%	412	20%	10 493	23%
10 or more times	20	29%	342	17%	8 697	19%
no response	1	1%	119	6%	2 019	4%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	27	39%	561	28%	13 507	30%
1-4 times	24	34%	740	37%	17 549	39%
5-9 times	9	13%	305	15%	6 620	15%
10 or more times	10	14%	306	15%	5 874	13%
no response	0	0%	103	5%	1 826	4%
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
1 school	30	43%	673	33%	11 445	25%
2 schools	20	29%	596	30%	13 607	30%
3 schools	10	14%	326	16%	8 481	19%
4 schools	5	7%	147	7%	4 622	10%
5 schools or more	5	7%	164	8%	5 326	12%
no response	0	0%	109	5%	1 895	4%

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