



# Grade 9 Assessment of Mathematics, 2003-2004

## Student Questionnaire: Applied Program - All Students

### School Results

School : Michael Power/St Joseph HS (731820)  
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>
	93		2 015		45 376	
<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	30	32%	657	33%	14 722	32%
Undecided	27	29%	497	25%	11 269	25%
Disagree or strongly disagree	36	39%	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	20	22%	489	24%	14 365	32%
Undecided	39	42%	707	35%	14 919	33%
Disagree or strongly disagree	33	35%	804	40%	15 796	35%
no response	1	1%	15	1%	296	1%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree or agree	49	53%	1 061	53%	26 562	59%
Undecided	28	30%	549	27%	10 821	24%
Disagree or strongly disagree	16	17%	381	19%	7 513	17%
no response	0	0%	24	1%	480	1%
<b>d. The mathematics I learn now is very useful for everyday life.</b>						
Strongly agree or agree	39	42%	931	46%	17 142	38%
Undecided	29	31%	561	28%	13 564	30%
Disagree or strongly disagree	25	27%	503	25%	14 264	31%
no response	0	0%	20	1%	406	1%

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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	36	39%	820	41%	18 666	41%
Undecided	30	32%	680	34%	15 263	34%
Disagree or strongly disagree	26	28%	492	24%	11 136	25%
no response	1	1%	23	1%	311	1%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	42	45%	864	43%	21 081	46%
Undecided	22	24%	487	24%	10 802	24%
Disagree or strongly disagree	29	31%	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	10	11%	285	14%	8 771	19%
Undecided	15	16%	497	25%	12 511	28%
Disagree or strongly disagree	68	73%	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	38	41%	935	46%	21 419	47%
Undecided	37	40%	667	33%	14 395	32%
Hard or very hard	15	16%	390	19%	9 166	20%
no response	3	3%	23	1%	396	1%
<b>b. algebra (e.g., solving equations, simplifying expressions with polynomials)</b>						
Very easy or easy	26	28%	710	35%	17 079	38%
Undecided	27	29%	586	29%	13 051	29%
Hard or very hard	37	40%	688	34%	14 838	33%
no response	3	3%	31	2%	408	1%
<b>c. relationships (e.g., scatter plots, lines of best fit)</b>						
Very easy or easy	50	54%	974	48%	25 071	55%
Undecided	18	19%	584	29%	12 150	27%
Hard or very hard	20	22%	418	21%	7 633	17%
no response	5	5%	39	2%	522	1%

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#### 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	37	40%	780	39%	18 038	40%
Undecided	22	24%	551	27%	12 953	29%
Hard or very hard	28	30%	639	32%	13 720	30%
no response	6	6%	45	2%	665	1%
<b>e. measurement (e.g., volume, perimeter, surface area)</b>						
Very easy or easy	45	48%	1 080	54%	26 419	58%
Undecided	22	24%	546	27%	10 707	24%
Hard or very hard	21	23%	352	17%	7 739	17%
no response	5	5%	37	2%	511	1%
<b>f. geometry (e.g., angles, medians, quadrilaterals)</b>						
Very easy or easy	38	41%	758	38%	19 449	43%
Undecided	29	31%	718	36%	14 744	32%
Hard or very hard	21	23%	507	25%	10 728	24%
no response	5	5%	32	2%	455	1%

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#### 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	77	83%	1 625	81%	37 237	82%
No	11	12%	360	18%	7 710	17%
no response	5	5%	30	1%	429	1%
<b>b. Do you have a scientific calculator at home that you use for school work?</b>						
Yes	68	73%	1 489	74%	32 991	73%
No	20	22%	491	24%	11 872	26%
no response	5	5%	35	2%	513	1%
<b>c. Do you have a graphing calculator at home that you use for school work?</b>						
Yes	4	4%	178	9%	2 923	6%
No	83	89%	1 800	89%	41 927	92%
no response	6	6%	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.	15	16%	338	17%	5 447	12%
I usually spend between 31 and 45 minutes on mathematics homework.	30	32%	595	30%	10 189	22%
I usually spend 30 minutes or less on mathematics homework.	38	41%	889	44%	22 170	49%
I usually am not assigned any mathematics homework.	4	4%	150	7%	6 882	15%
no response	6	6%	43	2%	688	2%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never or seldom	17	18%	281	14%	6 867	15%
Sometimes	24	26%	749	37%	14 473	32%
Often or always	44	47%	945	47%	23 477	52%
no response	8	9%	40	2%	559	1%
<b>5. What languages do you speak at home?</b>						
Only or mostly English.	47	51%	1 153	57%	37 126	82%
Another language (or languages) as often as English	25	27%	497	25%	4 819	11%
Mostly or only another language (or other languages)	14	15%	325	16%	2 873	6%
no response	7	8%	40	2%	558	1%

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	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
<b>6. How old are you?</b>	93		2 015		45 376	
13 years or younger	0	0%	2	<1%	98	<1%
14 years	46	49%	1 036	51%	21 971	48%
15 years	28	30%	678	34%	16 227	36%
16 years or older	6	6%	200	10%	5 316	12%
no response	13	14%	99	5%	1 764	4%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	8	9%	262	13%	4 279	9%
1-4 times	47	51%	880	44%	19 888	44%
5-9 times	18	19%	412	20%	10 493	23%
10 or more times	6	6%	342	17%	8 697	19%
no response	14	15%	119	6%	2 019	4%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	22	24%	561	28%	13 507	30%
1-4 times	36	39%	740	37%	17 549	39%
5-9 times	16	17%	305	15%	6 620	15%
10 or more times	6	6%	306	15%	5 874	13%
no response	13	14%	103	5%	1 826	4%
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
1 school	33	35%	673	33%	11 445	25%
2 schools	18	19%	596	30%	13 607	30%
3 schools	15	16%	326	16%	8 481	19%
4 schools	8	9%	147	7%	4 622	10%
5 schools or more	6	6%	164	8%	5 326	12%
no response	13	14%	109	5%	1 895	4%

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