



# Grade 9 Assessment of Mathematics, 2003-2004

## Student Questionnaire: Academic Program - All Students

### School Results

**School : Cardinal Newman HS (694193)**

**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>
	247		4 476		100 458	
<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	113	46%	2 410	54%	50 847	51%
Undecided	57	23%	1 063	24%	24 236	24%
Disagree or strongly disagree	76	31%	991	22%	25 192	25%
no response	1	<1%	12	<1%	183	<1%
<b>b. I am good at mathematics.</b>						
Strongly agree or agree	107	43%	2 075	46%	51 011	51%
Undecided	82	33%	1 480	33%	29 285	29%
Disagree or strongly disagree	57	23%	908	20%	19 918	20%
no response	1	<1%	13	<1%	244	<1%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree or agree	173	70%	3 156	71%	72 397	72%
Undecided	54	22%	859	19%	17 202	17%
Disagree or strongly disagree	17	7%	427	10%	10 226	10%
no response	3	1%	34	1%	633	1%
<b>d. The mathematics I learn now is very useful for everyday life.</b>						
Strongly agree or agree	91	37%	1 938	43%	37 551	37%
Undecided	77	31%	1 340	30%	32 408	32%
Disagree or strongly disagree	79	32%	1 177	26%	30 043	30%
no response	0	0%	21	<1%	456	<1%

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

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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	119	48%	2 488	56%	57 250	57%
Undecided	88	36%	1 331	30%	29 738	30%
Disagree or strongly disagree	39	16%	641	14%	13 164	13%
no response	1	<1%	16	<1%	306	<1%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	89	36%	1 234	28%	33 129	33%
Undecided	84	34%	1 275	28%	28 484	28%
Disagree or strongly disagree	73	30%	1 951	44%	38 559	38%
no response	1	<1%	16	<1%	286	<1%
<b>g. Mathematics is an easy subject.</b>						
Strongly agree or agree	54	22%	1 085	24%	26 767	27%
Undecided	84	34%	1 271	28%	27 446	27%
Disagree or strongly disagree	108	44%	2 086	47%	45 723	46%
no response	1	<1%	34	1%	522	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	170	69%	3 078	69%	66 468	66%
Undecided	56	23%	955	21%	22 410	22%
Hard or very hard	21	9%	423	9%	11 252	11%
no response	0	0%	20	<1%	328	<1%
<b>b. algebra (e.g., solving equations, simplifying expressions with polynomials)</b>						
Very easy or easy	124	50%	2 483	55%	57 162	57%
Undecided	69	28%	1 006	22%	21 304	21%
Hard or very hard	54	22%	963	22%	21 665	22%
no response	0	0%	24	1%	327	<1%
<b>c. relationships (e.g., scatter plots, lines of best fit)</b>						
Very easy or easy	166	67%	2 477	55%	59 458	59%
Undecided	53	21%	1 302	29%	26 179	26%
Hard or very hard	28	11%	661	15%	14 298	14%
no response	0	0%	36	1%	523	1%

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#### Attitudes Toward Mathematics

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	#	% <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	98	40%	1 877	42%	42 612	42%
Undecided	59	24%	1 161	26%	24 878	25%
Hard or very hard	90	36%	1 393	31%	32 325	32%
no response	0	0%	45	1%	643	1%
<b>e. measurement (e.g., volume, perimeter, surface area)</b>						
Very easy or easy	177	72%	3 371	75%	73 421	73%
Undecided	46	19%	687	15%	17 192	17%
Hard or very hard	24	10%	387	9%	9 376	9%
no response	0	0%	31	1%	469	<1%
<b>f. geometry (e.g., angles, medians, quadrilaterals)</b>						
Very easy or easy	140	57%	2 792	62%	62 335	62%
Undecided	72	29%	1 098	25%	24 424	24%
Hard or very hard	34	14%	560	13%	13 344	13%
no response	1	<1%	26	1%	355	<1%

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## Grade 9 Assessment of Mathematics, 2003-2004

### Student Questionnaire: Academic Program - All Students

#### Background

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	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
	247		4 476		100 458	
<b>3a. Do you have a computer at home that you use for school work?</b>						
Yes	230	93%	4 208	94%	95 803	95%
No	17	7%	245	5%	4 257	4%
no response	0	0%	23	1%	398	<1%
<b>b. Do you have a scientific calculator at home that you use for school work?</b>						
Yes	207	84%	3 897	87%	86 050	86%
No	40	16%	554	12%	13 927	14%
no response	0	0%	25	1%	481	<1%
<b>c. Do you have a graphing calculator at home that you use for school work?</b>						
Yes	8	3%	610	14%	6 540	7%
No	239	97%	3 833	86%	93 333	93%
no response	0	0%	33	1%	585	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.	45	18%	1 084	24%	20 124	20%
I usually spend between 31 and 45 minutes on mathematics homework.	91	37%	1 815	41%	36 823	37%
I usually spend 30 minutes or less on mathematics homework.	102	41%	1 454	32%	40 367	40%
I usually am not assigned any mathematics homework.	9	4%	92	2%	2 585	3%
no response	0	0%	31	1%	559	1%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never or seldom	25	10%	373	8%	9 441	9%
Sometimes	66	27%	1 129	25%	23 267	23%
Often or always	155	63%	2 946	66%	67 224	67%
no response	1	<1%	28	1%	526	1%
<b>5. What languages do you speak at home?</b>						
Only or mostly English.	186	75%	2 823	63%	78 485	78%
Another language (or languages) as often as English	45	18%	1 042	23%	12 709	13%
Mostly or only another language (or other languages)	15	6%	582	13%	8 741	9%
no response	1	<1%	29	1%	523	1%

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<b>6. How old are you?</b>						
13 years or younger	1	<1%	17	<1%	689	1%
14 years	173	70%	2 807	63%	66 443	66%
15 years	63	26%	1 484	33%	29 985	30%
16 years or older	2	1%	64	1%	1 183	1%
no response	8	3%	104	2%	2 158	2%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	58	23%	899	20%	13 283	13%
1-4 times	134	54%	2 328	52%	56 898	57%
5-9 times	34	14%	745	17%	19 704	20%
10 or more times	12	5%	387	9%	7 999	8%
no response	9	4%	117	3%	2 574	3%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	88	36%	2 016	45%	46 829	47%
1-4 times	103	42%	1 635	37%	37 948	38%
5-9 times	32	13%	422	9%	8 168	8%
10 or more times	16	6%	294	7%	5 228	5%
no response	8	3%	109	2%	2 285	2%
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
1 school	109	44%	1 728	39%	27 921	28%
2 schools	68	28%	1 512	34%	34 921	35%
3 schools	37	15%	646	14%	18 950	19%
4 schools	20	8%	304	7%	8 810	9%
5 schools or more	5	2%	182	4%	7 593	8%
no response	8	3%	104	2%	2 263	2%

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