



# Grade 9 Assessment of Mathematics, 2003-2004

## Student Questionnaire: Academic Program - All Students

### School Results

**School** : Dante Alighieri Academy Sep S (702935)

**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>
	208		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	85	41%	2 410	54%	50 847	51%
Undecided	54	26%	1 063	24%	24 236	24%
Disagree or strongly disagree	69	33%	991	22%	25 192	25%
no response	0	0%	12	<1%	183	<1%
<b>b. I am good at mathematics.</b>						
Strongly agree or agree	66	32%	2 075	46%	51 011	51%
Undecided	77	37%	1 480	33%	29 285	29%
Disagree or strongly disagree	65	31%	908	20%	19 918	20%
no response	0	0%	13	<1%	244	<1%
<b>c. I understand most of the mathematics I am taught.</b>						
Strongly agree or agree	122	59%	3 156	71%	72 397	72%
Undecided	51	25%	859	19%	17 202	17%
Disagree or strongly disagree	32	15%	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	96	46%	1 938	43%	37 551	37%
Undecided	60	29%	1 340	30%	32 408	32%
Disagree or strongly disagree	51	25%	1 177	26%	30 043	30%
no response	1	<1%	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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#### 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	110	53%	2 488	56%	57 250	57%
Undecided	67	32%	1 331	30%	29 738	30%
Disagree or strongly disagree	31	15%	641	14%	13 164	13%
no response	0	0%	16	<1%	306	<1%
<b>f. Mathematics is boring.</b>						
Strongly agree or agree	76	37%	1 234	28%	33 129	33%
Undecided	56	27%	1 275	28%	28 484	28%
Disagree or strongly disagree	75	36%	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	44	21%	1 085	24%	26 767	27%
Undecided	55	26%	1 271	28%	27 446	27%
Disagree or strongly disagree	108	52%	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	137	66%	3 078	69%	66 468	66%
Undecided	44	21%	955	21%	22 410	22%
Hard or very hard	27	13%	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	93	45%	2 483	55%	57 162	57%
Undecided	60	29%	1 006	22%	21 304	21%
Hard or very hard	55	26%	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	113	54%	2 477	55%	59 458	59%
Undecided	61	29%	1 302	29%	26 179	26%
Hard or very hard	34	16%	661	15%	14 298	14%
no response	0	0%	36	1%	523	1%

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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	96	46%	1 877	42%	42 612	42%
Undecided	49	24%	1 161	26%	24 878	25%
Hard or very hard	60	29%	1 393	31%	32 325	32%
no response	3	1%	45	1%	643	1%
<b>e. measurement (e.g., volume, perimeter, surface area)</b>						
Very easy or easy	143	69%	3 371	75%	73 421	73%
Undecided	28	13%	687	15%	17 192	17%
Hard or very hard	36	17%	387	9%	9 376	9%
no response	1	<1%	31	1%	469	<1%
<b>f. geometry (e.g., angles, medians, quadrilaterals)</b>						
Very easy or easy	122	59%	2 792	62%	62 335	62%
Undecided	58	28%	1 098	25%	24 424	24%
Hard or very hard	28	13%	560	13%	13 344	13%
no response	0	0%	26	1%	355	<1%

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## Grade 9 Assessment of Mathematics, 2003-2004

### Student Questionnaire: Academic 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>	208		4 476		100 458	
Yes	187	90%	4 208	94%	95 803	95%
No	20	10%	245	5%	4 257	4%
no response	1	<1%	23	1%	398	<1%
<b>b. Do you have a scientific calculator at home that you use for school work?</b>						
Yes	184	88%	3 897	87%	86 050	86%
No	23	11%	554	12%	13 927	14%
no response	1	<1%	25	1%	481	<1%
<b>c. Do you have a graphing calculator at home that you use for school work?</b>						
Yes	10	5%	610	14%	6 540	7%
No	197	95%	3 833	86%	93 333	93%
no response	1	<1%	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.	38	18%	1 084	24%	20 124	20%
I usually spend between 31 and 45 minutes on mathematics homework.	84	40%	1 815	41%	36 823	37%
I usually spend 30 minutes or less on mathematics homework.	83	40%	1 454	32%	40 367	40%
I usually am not assigned any mathematics homework.	2	1%	92	2%	2 585	3%
no response	1	<1%	31	1%	559	1%
<b>b. How often do you complete all of your mathematics homework?</b>						
Never or seldom	33	16%	373	8%	9 441	9%
Sometimes	55	26%	1 129	25%	23 267	23%
Often or always	119	57%	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.	92	44%	2 823	63%	78 485	78%
Another language (or languages) as often as English	69	33%	1 042	23%	12 709	13%
Mostly or only another language (or other languages)	46	22%	582	13%	8 741	9%
no response	1	<1%	29	1%	523	1%

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	#	% <sup>2</sup>	#	% <sup>2</sup>	#	% <sup>2</sup>
	208		4 476		100 458	
<b>6. How old are you?</b>						
13 years or younger	0	0%	17	<1%	689	1%
14 years	134	64%	2 807	63%	66 443	66%
15 years	69	33%	1 484	33%	29 985	30%
16 years or older	4	2%	64	1%	1 183	1%
no response	1	<1%	104	2%	2 158	2%
<b>7. How often have you been absent from your Grade 9 mathematics class this year?</b>						
Never	31	15%	899	20%	13 283	13%
1-4 times	111	53%	2 328	52%	56 898	57%
5-9 times	37	18%	745	17%	19 704	20%
10 or more times	25	12%	387	9%	7 999	8%
no response	4	2%	117	3%	2 574	3%
<b>8. How often have you been late for your Grade 9 mathematics class this year?</b>						
Never	68	33%	2 016	45%	46 829	47%
1-4 times	90	43%	1 635	37%	37 948	38%
5-9 times	31	15%	422	9%	8 168	8%
10 or more times	18	9%	294	7%	5 228	5%
no response	1	<1%	109	2%	2 285	2%
<b>9. How many elementary schools (kindergarten to Grade 8) did you attend?</b>						
1 school	77	37%	1 728	39%	27 921	28%
2 schools	73	35%	1 512	34%	34 921	35%
3 schools	31	15%	646	14%	18 950	19%
4 schools	10	5%	304	7%	8 810	9%
5 schools or more	16	8%	182	4%	7 593	8%
no response	1	<1%	104	2%	2 263	2%

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