



Grade 9 Assessment of Mathematics, 2003-2004

Student Questionnaire: Applied Program - All Students

School Results

School : Neil McNeil HS (734080)

Board : Toronto Catholic District School Board (67059)

Attitudes Toward Mathematics

| # of Respondents | School ¹ | | Board ¹ | | Province ¹ | |
|---|---------------------|----------------|--------------------|----------------|-----------------------|----------------|
| | # | % ² | # | % ² | # | % ² |
| 1. Indicate the degree to which you agree or disagree with each of the following statements. | | | | | | |
| a. I like mathematics. | | | | | | |
| Strongly agree or agree | 20 | 50% | 657 | 33% | 14 722 | 32% |
| Undecided | 8 | 20% | 497 | 25% | 11 269 | 25% |
| Disagree or strongly disagree | 11 | 28% | 854 | 42% | 19 185 | 42% |
| no response | 1 | 2% | 7 | <1% | 200 | <1% |
| b. I am good at mathematics. | | | | | | |
| Strongly agree or agree | 17 | 42% | 489 | 24% | 14 365 | 32% |
| Undecided | 13 | 32% | 707 | 35% | 14 919 | 33% |
| Disagree or strongly disagree | 10 | 25% | 804 | 40% | 15 796 | 35% |
| no response | 0 | 0% | 15 | 1% | 296 | 1% |
| c. I understand most of the mathematics I am taught. | | | | | | |
| Strongly agree or agree | 25 | 62% | 1 061 | 53% | 26 562 | 59% |
| Undecided | 11 | 28% | 549 | 27% | 10 821 | 24% |
| Disagree or strongly disagree | 3 | 8% | 381 | 19% | 7 513 | 17% |
| no response | 1 | 2% | 24 | 1% | 480 | 1% |
| d. The mathematics I learn now is very useful for everyday life. | | | | | | |
| Strongly agree or agree | 22 | 55% | 931 | 46% | 17 142 | 38% |
| Undecided | 10 | 25% | 561 | 28% | 13 564 | 30% |
| Disagree or strongly disagree | 7 | 18% | 503 | 25% | 14 264 | 31% |
| no response | 1 | 2% | 20 | 1% | 406 | 1% |

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.

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|---|---------------------|----------------|--------------------|----------------|-----------------------|----------------|
| | # | % ² | # | % ² | # | % ² |
| 1. Indicate the degree to which you agree or disagree with each of the following statements. | | | | | | |
| e. I need to keep taking mathematics for the kind of job I want after I leave school. | | | | | | |
| Strongly agree or agree | 15 | 38% | 820 | 41% | 18 666 | 41% |
| Undecided | 21 | 52% | 680 | 34% | 15 263 | 34% |
| Disagree or strongly disagree | 3 | 8% | 492 | 24% | 11 136 | 25% |
| no response | 1 | 2% | 23 | 1% | 311 | 1% |
| f. Mathematics is boring. | | | | | | |
| Strongly agree or agree | 5 | 12% | 864 | 43% | 21 081 | 46% |
| Undecided | 16 | 40% | 487 | 24% | 10 802 | 24% |
| Disagree or strongly disagree | 18 | 45% | 645 | 32% | 13 205 | 29% |
| no response | 1 | 2% | 19 | 1% | 288 | 1% |
| g. Mathematics is an easy subject. | | | | | | |
| Strongly agree or agree | 10 | 25% | 285 | 14% | 8 771 | 19% |
| Undecided | 14 | 35% | 497 | 25% | 12 511 | 28% |
| Disagree or strongly disagree | 15 | 38% | 1 203 | 60% | 23 612 | 52% |
| no response | 1 | 2% | 30 | 1% | 482 | 1% |
| 2. Indicate how easy or hard you find mathematics questions that deal with the following. | | | | | | |
| a. number sense (e.g., operations with integers, rational numbers, exponents) | | | | | | |
| Very easy or easy | 18 | 45% | 935 | 46% | 21 419 | 47% |
| Undecided | 16 | 40% | 667 | 33% | 14 395 | 32% |
| Hard or very hard | 6 | 15% | 390 | 19% | 9 166 | 20% |
| no response | 0 | 0% | 23 | 1% | 396 | 1% |
| b. algebra (e.g., solving equations, simplifying expressions with polynomials) | | | | | | |
| Very easy or easy | 15 | 38% | 710 | 35% | 17 079 | 38% |
| Undecided | 11 | 28% | 586 | 29% | 13 051 | 29% |
| Hard or very hard | 14 | 35% | 688 | 34% | 14 838 | 33% |
| no response | 0 | 0% | 31 | 2% | 408 | 1% |
| c. relationships (e.g., scatter plots, lines of best fit) | | | | | | |
| Very easy or easy | 13 | 32% | 974 | 48% | 25 071 | 55% |
| Undecided | 18 | 45% | 584 | 29% | 12 150 | 27% |
| Hard or very hard | 9 | 22% | 418 | 21% | 7 633 | 17% |
| no response | 0 | 0% | 39 | 2% | 522 | 1% |

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|--|---------------------|----------------|--------------------|----------------|-----------------------|----------------|
| | # | % ² | # | % ² | # | % ² |
| 2. Indicate how easy or hard you find mathematics questions that deal with the following. | | | | | | |
| d. analytic geometry (e.g., slope, y-intercept, equations of lines) | | | | | | |
| Very easy or easy | 18 | 45% | 780 | 39% | 18 038 | 40% |
| Undecided | 11 | 28% | 551 | 27% | 12 953 | 29% |
| Hard or very hard | 11 | 28% | 639 | 32% | 13 720 | 30% |
| no response | 0 | 0% | 45 | 2% | 665 | 1% |
| e. measurement (e.g., volume, perimeter, surface area) | | | | | | |
| Very easy or easy | 31 | 78% | 1 080 | 54% | 26 419 | 58% |
| Undecided | 4 | 10% | 546 | 27% | 10 707 | 24% |
| Hard or very hard | 5 | 12% | 352 | 17% | 7 739 | 17% |
| no response | 0 | 0% | 37 | 2% | 511 | 1% |
| f. geometry (e.g., angles, medians, quadrilaterals) | | | | | | |
| Very easy or easy | 27 | 68% | 758 | 38% | 19 449 | 43% |
| Undecided | 9 | 22% | 718 | 36% | 14 744 | 32% |
| Hard or very hard | 4 | 10% | 507 | 25% | 10 728 | 24% |
| no response | 0 | 0% | 32 | 2% | 455 | 1% |

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Background

| # of Respondents | School ¹ | | Board ¹ | | Province ¹ | |
|---|---------------------|----------------|--------------------|----------------|-----------------------|----------------|
| | # | % ² | # | % ² | # | % ² |
| 3a. Do you have a computer at home that you use for school work? | | | | | | |
| Yes | 31 | 78% | 1 625 | 81% | 37 237 | 82% |
| No | 8 | 20% | 360 | 18% | 7 710 | 17% |
| no response | 1 | 2% | 30 | 1% | 429 | 1% |
| b. Do you have a scientific calculator at home that you use for school work? | | | | | | |
| Yes | 27 | 68% | 1 489 | 74% | 32 991 | 73% |
| No | 11 | 28% | 491 | 24% | 11 872 | 26% |
| no response | 2 | 5% | 35 | 2% | 513 | 1% |
| c. Do you have a graphing calculator at home that you use for school work? | | | | | | |
| Yes | 4 | 10% | 178 | 9% | 2 923 | 6% |
| No | 34 | 85% | 1 800 | 89% | 41 927 | 92% |
| no response | 2 | 5% | 37 | 2% | 526 | 1% |
| 4a. How much time do you usually spend on mathematics homework (in or out of school) on any given day? | | | | | | |
| I usually spend more than 45 minutes on mathematics homework. | 6 | 15% | 338 | 17% | 5 447 | 12% |
| I usually spend between 31 and 45 minutes on mathematics homework. | 16 | 40% | 595 | 30% | 10 189 | 22% |
| I usually spend 30 minutes or less on mathematics homework. | 16 | 40% | 889 | 44% | 22 170 | 49% |
| I usually am not assigned any mathematics homework. | 0 | 0% | 150 | 7% | 6 882 | 15% |
| no response | 2 | 5% | 43 | 2% | 688 | 2% |
| b. How often do you complete all of your mathematics homework? | | | | | | |
| Never or seldom | 8 | 20% | 281 | 14% | 6 867 | 15% |
| Sometimes | 8 | 20% | 749 | 37% | 14 473 | 32% |
| Often or always | 21 | 52% | 945 | 47% | 23 477 | 52% |
| no response | 3 | 8% | 40 | 2% | 559 | 1% |
| 5. What languages do you speak at home? | | | | | | |
| Only or mostly English. | 29 | 72% | 1 153 | 57% | 37 126 | 82% |
| Another language (or languages) as often as English | 7 | 18% | 497 | 25% | 4 819 | 11% |
| Mostly or only another language (or other languages) | 2 | 5% | 325 | 16% | 2 873 | 6% |
| no response | 2 | 5% | 40 | 2% | 558 | 1% |

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|---|---------------------|----------------|--------------------|----------------|-----------------------|----------------|
| | # | % ² | # | % ² | # | % ² |
| 6. How old are you? | | | | | | |
| 13 years or younger | 1 | 2% | 2 | <1% | 98 | <1% |
| 14 years | 23 | 58% | 1 036 | 51% | 21 971 | 48% |
| 15 years | 14 | 35% | 678 | 34% | 16 227 | 36% |
| 16 years or older | 1 | 2% | 200 | 10% | 5 316 | 12% |
| no response | 1 | 2% | 99 | 5% | 1 764 | 4% |
| 7. How often have you been absent from your Grade 9 mathematics class this year? | | | | | | |
| Never | 6 | 15% | 262 | 13% | 4 279 | 9% |
| 1-4 times | 19 | 48% | 880 | 44% | 19 888 | 44% |
| 5-9 times | 9 | 22% | 412 | 20% | 10 493 | 23% |
| 10 or more times | 4 | 10% | 342 | 17% | 8 697 | 19% |
| no response | 2 | 5% | 119 | 6% | 2 019 | 4% |
| 8. How often have you been late for your Grade 9 mathematics class this year? | | | | | | |
| Never | 19 | 48% | 561 | 28% | 13 507 | 30% |
| 1-4 times | 13 | 32% | 740 | 37% | 17 549 | 39% |
| 5-9 times | 5 | 12% | 305 | 15% | 6 620 | 15% |
| 10 or more times | 2 | 5% | 306 | 15% | 5 874 | 13% |
| no response | 1 | 2% | 103 | 5% | 1 826 | 4% |
| 9. How many elementary schools (kindergarten to Grade 8) did you attend? | | | | | | |
| 1 school | 13 | 32% | 673 | 33% | 11 445 | 25% |
| 2 schools | 10 | 25% | 596 | 30% | 13 607 | 30% |
| 3 schools | 6 | 15% | 326 | 16% | 8 481 | 19% |
| 4 schools | 3 | 8% | 147 | 7% | 4 622 | 10% |
| 5 schools or more | 7 | 18% | 164 | 8% | 5 326 | 12% |
| no response | 1 | 2% | 109 | 5% | 1 895 | 4% |

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