

Grade 3 Mathematics Achievement Test - Written in French  
School Authority Report  
2003-2004 School Year

1085 Grande Yellowhead Reg Div 35

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The information contained in the following pages will be useful for preparing your education plans and results reports. Please refer to "Guidelines for Interpreting the 2004 Achievement Tests, Detailed School and Authority Reports." For further explanation, contact Michele Samuel, Director (Achievement Testing), Learner Assessment Branch, via e-mail at: [michele.samuel@gov.ab.ca](mailto:michele.samuel@gov.ab.ca) or call 780-427-0010 or toll free at 310-0000.

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**Table 1**  
**Participation Report**

	School Authority		Province	
	Number	Percent	Number	Percent
Students Included:				
Students Writing the French Form <sup>a</sup>	<b>41</b>	<b>97.6</b>	2931	96.8
Students Not Included: <sup>b</sup>				
Students Absent	<b>1</b>	<b>2.4</b>	67	2.2
Students Excused	<b>0</b>	<b>0.0</b>	6	0.2
Students Who Wrote, Results Withheld	<b>0</b>	<b>0.0</b>	25	0.8
Total Students Not Included	<b>1</b>	<b>2.4</b>	98	3.2
Total Enrollment Reported by Schools, June 2004	<b>42</b>	<b>100.0</b>	3029	100.0

<sup>a</sup> The results for students writing in English are presented in a separate report.

<sup>b</sup> These students are included in the calculation of results for Table 2.1 only.

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**Table 2.1**  
**Standards Demonstrated by All Students<sup>a</sup>**

	School Authority		Province	
	Number	Percent	Number	Percent
Students for Whom Test Results are Available:	<b>41</b>	<b>97.6</b>	2931	96.8
Acceptable Standard <sup>b</sup>	<b>39</b>	<b>92.9</b>	2648	87.4
Standard of Excellence	<b>9</b>	<b>21.4</b>	917	30.3
Below Acceptable Standard	<b>2</b>	<b>4.8</b>	283	9.3
Students for Whom Test Results are Not Available: <sup>c</sup>	<b>1</b>	<b>2.4</b>	98	3.2
Students Absent	<b>1</b>	<b>2.4</b>	67	2.2
Students Excused	<b>0</b>	<b>0.0</b>	6	0.2
Students Who Wrote, Results Withheld	<b>0</b>	<b>0.0</b>	25	0.8
<b>Total Enrollment Reported by Schools, June 2004</b>	<b>42</b>	<b>100.0</b>	3029	100.0

<sup>a</sup> Includes all students registered in Grade 3 and ungraded students in year 3 of schooling.

<sup>b</sup> Includes students who achieved the Standard of Excellence.

<sup>c</sup> It is possible that some of these students, under different circumstances, could have demonstrated the standards on the test.

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**Table 2.2**  
**Standards Achieved by Students Writing the Test, by Reporting Category**

Reporting Category	Maximum Possible Score	Cut Score <sup>a</sup>	School Authority n = 41		Province n = 2931	
			Number	Percent	Number	Percent
<b>Acceptable Standard<sup>b</sup></b>						
Total Test	43	21	<b>39</b>	<b>95.1</b>	2648	90.3
Knowledge	17	8	<b>40</b>	<b>97.6</b>	2699	92.1
Skills	26	13	<b>38</b>	<b>92.7</b>	2601	88.7
<b>Standard of Excellence</b>						
Total Test	43	38	<b>9</b>	<b>22.0</b>	917	31.3
Knowledge	17	16	<b>7</b>	<b>17.1</b>	807	27.5
Skills	26	22	<b>14</b>	<b>34.1</b>	1183	40.4
<b>Below Acceptable Standard</b>						
Total Test	43	N/A	<b>2</b>	<b>4.9</b>	283	9.7
Knowledge	17	N/A	<b>1</b>	<b>2.4</b>	232	7.9
Skills	26	N/A	<b>3</b>	<b>7.3</b>	330	11.3

<sup>a</sup> The Cut Score is the lowest score on a test, determined by standard-setting procedures, that students must achieve for their performance to be judged "acceptable" and/or "excellent" in relation to provincial expectations.

<sup>b</sup> The Acceptable Standard includes students who achieved the Standard of Excellence.

Note: Results should be compared to your school and school authority targets.

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**Table 2.3**  
**Students Meeting Timed Number Facts Standards, by Operation**<sup>a</sup>

Operation	Cut Score <sup>b</sup>	Students Meeting Standards				Average Number of Items Correct	
		School Authority n = 41		Province n = 2916		School Authority	Province
		Number	Percent	Number	Percent		
Addition	26	<b>33</b>	<b>80.5</b>	2374	81.4	<b>29.8</b>	30.8
Subtraction	20	<b>33</b>	<b>80.5</b>	2489	85.4	<b>26.8</b>	28.1
Multiplication	15	<b>38</b>	<b>92.7</b>	2472	84.8	<b>21.7</b>	20.6

<sup>a</sup> Numbers reported are based on students who wrote Timed Numbers Facts.

<sup>b</sup> The Cut Score is the number of items, determined by standard-setting procedures, that students must achieve for their performance to be judged proficient.

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**Table 3**  
**Students Achieving Standards on Total Test, by Program**

Program <sup>a</sup>	Total Writing				Achieved the Acceptable Standard				Achieved the Standard of Excellence			
	School Authority n = <b>41</b>		Province n = 2931		School Authority n = <b>39</b>		Province n = 2648		School Authority n = <b>9</b>		Province n = 917	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
French Immersion	<b>41</b>	<b>100.0</b>	2561	87.4	<b>39</b>	<b>95.1</b>	2303	89.9	<b>9</b>	<b>22.0</b>	780	30.5
Francophone	<b>0</b>	<b>0.0</b>	344	11.7	<b>N/A</b>	<b>N/A</b>	319	92.7	<b>N/A</b>	<b>N/A</b>	125	36.3
Bilingual Language other than French	<b>0</b>	<b>0.0</b>	0	0.0	<b>N/A</b>	<b>N/A</b>	N/A	N/A	<b>N/A</b>	<b>N/A</b>	N/A	N/A
English as a Second Language	<b>0</b>	<b>0.0</b>	104	3.5	<b>N/A</b>	<b>N/A</b>	88	84.6	<b>N/A</b>	<b>N/A</b>	21	20.2
Special Education	<b>8</b>	<b>19.5</b>	167	5.7	<b>6</b>	<b>75.0</b>	132	79.0	<b>0</b>	<b>0.0</b>	21	12.6
Cycled <sup>b</sup>	<b>0</b>	<b>0.0</b>	21	0.7	<b>N/A</b>	<b>N/A</b>	18	85.7	<b>N/A</b>	<b>N/A</b>	7	33.3
Online Programming	<b>0</b>	<b>0.0</b>	0	0.0	<b>N/A</b>	<b>N/A</b>	N/A	N/A	<b>N/A</b>	<b>N/A</b>	N/A	N/A
Other <sup>c</sup>	<b>0</b>	<b>0.0</b>	26	0.9	<b>N/A</b>	<b>N/A</b>	26	100.0	<b>N/A</b>	<b>N/A</b>	12	46.2

<sup>a</sup> These reporting categories are not exclusive; some students are included in more than one category.

<sup>b</sup> Includes only those students who completed the course in a year before the date of testing.

<sup>c</sup> Includes students in programs not listed above and students for whom program information is unavailable or incomplete.

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**Table 4**  
**Raw Score Results, by Reporting Category and by Gender<sup>a</sup>**

Reporting Category	Maximum Possible Score	School Authority						Province					
		All Students n = 41		Female n = 28		Male n = 13		All Students n = 2930		Female n = 1622		Male n = 1308	
		Average	S. D. <sup>b</sup>	Average	S. D.	Average	S. D.	Average	S. D.	Average	S. D.	Average	S. D.
Total Test	43	32.6	6.5	32.6	6.1	32.5	7.7	32.4	7.7	32.0	7.7	32.8	7.7
Knowledge	17	13.2	2.6	13.2	2.8	13.3	2.4	13.1	3.3	13.0	3.3	13.3	3.2
Skills	26	19.4	4.4	19.4	3.8	19.2	5.7	19.2	4.9	19.0	4.9	19.5	4.8
Number	14	9.9	2.9	10.1	2.5	9.4	3.7	10.0	3.1	9.9	3.1	10.2	3.1
Patterns & Relations	6	4.8	1.2	4.6	1.2	5.2	0.9	4.8	1.3	4.8	1.3	4.9	1.3
Shape & Space	12	9.3	2.1	9.3	2.1	9.3	2.4	8.8	2.4	8.7	2.4	9.0	2.3
Statistics & Probability	8	6.2	1.7	6.2	1.6	6.1	1.9	6.2	1.7	6.2	1.7	6.2	1.8
Timed Number Facts	3	2.5	0.8	2.5	0.8	2.6	0.7	2.5	0.9	2.5	0.9	2.5	0.9

<sup>a</sup> Students for whom gender information is not available are included in the "All Students" column only.

<sup>b</sup> Standard Deviation - The standard deviation is an indication of the amount of variation in a distribution. Provincially, about 68% of the students' marks will fall within plus or minus one "standard deviation" of the average mark.

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**Table 5 - 1**  
**Results for Individual Multiple-Choice Items, by Reporting Category**

Item #	% Correct Auth. Prov.	Reporting Category	Strand	Item Description
9	<b>46.3</b> 76.7	Knowledge	Number	Solve a problem using repeated addition or multiplication
24	<b>68.3</b> 70.6	Knowledge	Number	Use number strategies to solve a problem
29	<b>92.7</b> 82.7	Knowledge	Number	Use the correct operation to solve the problem
30	<b>65.9</b> 74.9	Knowledge	Number	Solve a problem involving division
37	<b>73.2</b> 72.6	Knowledge	Number	Solve a problem using repeated addition or multiplication
4	<b>87.8</b> 86.8	Skills	Number	Use repeated addition or multiplication to solve a problem
13	<b>75.6</b> 74.0	Skills	Number	Demonstrate an understanding of odd numbers
14	<b>80.5</b> 77.9	Skills	Number	Use a diagram (visual representation) to solve an addition problem
17	<b>80.5</b> 70.0	Skills	Number	Use the information in the chart to solve the number problem
25	<b>63.4</b> 66.5	Skills	Number	Use the information given to solve a problem (using numbers)

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**Table 5 - 2**  
**Results for Individual Multiple-Choice Items, by Reporting Category**

Item #	% Correct Auth. Prov.	Reporting Category	Strand	Item Description
28	<b>48.8</b> 56.5	Skills	Number	Demonstrate an understanding of ordinal numbers
31	<b>80.5</b> 75.8	Skills	Number	Solve a problem involving subtraction
36	<b>34.1</b> 34.6	Skills	Number	Determine a visual representation of a solution to a problem using estimation
40	<b>90.2</b> 83.5	Skills	Number	Use estimation strategies to solve a problem
1	<b>73.2</b> 73.3	Knowledge	Patterns & Relations	Identify and extend a number pattern given in a chart
7	<b>80.5</b> 82.8	Knowledge	Patterns & Relations	Identify and extend a number pattern given in a chart
19	<b>80.5</b> 79.8	Skills	Patterns & Relations	Extend a visual pattern based on information given
32	<b>90.2</b> 93.2	Skills	Patterns & Relations	Identify and extend a visual pattern to solve a problem
34	<b>75.6</b> 72.8	Skills	Patterns & Relations	Sort information from a chart using two attributes
39	<b>75.6</b> 77.8	Skills	Patterns & Relations	Extend a number pattern using information from a chart

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**Table 5 - 3**  
**Results for Individual Multiple-Choice Items, by Reporting Category**

Item #	% Correct Auth. Prov.	Reporting Category	Strand	Item Description
6	<b>65.9</b> 65.2	Knowledge	Shape & Space	Apply terms of direction to grid map
11	<b>87.8</b> 81.5	Knowledge	Shape & Space	Measure the length of an object using standard units (cm)
12	<b>90.2</b> 77.1	Knowledge	Shape & Space	Estimate and compare containers using non-standard units (involving fractions)
18	<b>68.3</b> 63.4	Knowledge	Shape & Space	Estimate the length, choosing a standard unit
3	<b>90.2</b> 84.3	Skills	Shape & Space	Measure the length using standard units (cm)
5	<b>82.9</b> 72.7	Skills	Shape & Space	Recognize a symmetrical 2-D shape
10	<b>78.0</b> 76.2	Skills	Shape & Space	Identify location on a grid map with information given in the legend
15	<b>53.7</b> 45.4	Skills	Shape & Space	Measure passage of time in minutes (following the pattern given)
16	<b>73.2</b> 81.2	Skills	Shape & Space	Solve a problem using information in a tally graph (addition)
21	<b>75.6</b> 77.2	Skills	Shape & Space	Measure the passage of time in minutes

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**Table 5 - 4**  
**Results for Individual Multiple-Choice Items, by Reporting Category**

Item #	% Correct Auth. Prov.	Reporting Category	Strand	Item Description
22	<b>80.5</b> 85.0	Skills	Shape & Space	Use repeated addition to solve a measurement problem
27	<b>80.5</b> 70.8	Skills	Shape & Space	Calculate the passage of time in seconds
2	<b>85.4</b> 82.4	Knowledge	Statistics & Probability	Display the same data in more than one way (bar graph - tally chart)
26	<b>87.8</b> 79.4	Knowledge	Statistics & Probability	Make a prediction based on probability (using spinners)
38	<b>85.4</b> 79.2	Knowledge	Statistics & Probability	Predict the likelihood of an outcome
8	<b>43.9</b> 55.3	Skills	Statistics & Probability	Organize visual data to solve a problem (which comes first)
20	<b>65.9</b> 80.8	Skills	Statistics & Probability	Display the data, using rank ordering
23	<b>87.8</b> 87.1	Skills	Statistics & Probability	Recognize data displayed in a different way (tally chart)
33	<b>85.4</b> 87.3	Skills	Statistics & Probability	Recognize the same data displayed in a different way (chart - bar graph)
35	<b>75.6</b> 71.6	Skills	Statistics & Probability	Recognize the same data displayed in a different way (chart - pictograph involving addition)

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**Table 6**  
**Results on 2003 and 2004 Items<sup>a</sup>**

	2003 Achievement Test			2004 Achievement Test		
	No. of Items	School Authority Average n = <b>40</b>	Provincial Average n = 2716	No. of Items	School Authority Average n = <b>41</b>	Provincial Average n = 2930
Common Items: Items appearing on both the 2003 and 2004 tests	20	<b>14.4</b>	15.0	20	<b>15.2</b>	15.0
Unique Items: Items appearing on only the 2003 or the 2004 tests, but not on both	20	<b>16.1</b>	15.1	20	<b>14.9</b>	14.9

<sup>a</sup> Numbers reported do not include students who wrote with an accommodation that affected scoring.