

Grade Seven Numeracy: An Item-level Analysis - Multiple Choice (Provincial Level)

British Columbia

All Schools

FSA May/2006

FSA population (N=50,070)

Provincial FSA Item-Level Response Reports include data for all BC students in Grade 7 who wrote a particular FSA test. Both public and independent schools are included. The FSA 2004 provincial Item-Level Response Reports display the proportion of students who made errors on each test item and a description of the misconception.

Since the English and French versions of the FSA Numeracy tests are identical, the Item-level Analysis – Multiple Choice provincial report includes all students.

Content Area	Item #	Number of Students who Responded to the Item	Percentage of Students who Answered Incorrectly	Specific Curricular Aspect that Needs Attention [$>20\%$ selected incorrect response]
Number	1	44045	27	*
Number	3	43419	39	*
Number	4	43750	56	<ul style="list-style-type: none"> Students calculated part of the solution to a money problem but did not complete the final step.
Number	9	43719	38	*
Number	13	43640	46	<ul style="list-style-type: none"> Students were unable to find the greatest common factor of two numbers in the context of a word problem.
Number	15	43553	32	*
Number	17	43172	55	<ul style="list-style-type: none"> Students did not round up when solving a word problem involving conversion from kilograms to grams, followed by division. Students made a calculation error while solving a word problem involving conversion from kilograms to grams, followed by division.
Patterns and Relations	2	43478	43	*

Patterns and Relations	5	43832	39	<ul style="list-style-type: none"> Students were unable to determine the relationship between two sets of numbers and then calculate the nth term.
Patterns and Relations	6	43904	18	N/A
Patterns and Relations	8	43642	38	*
Patterns and Relations	11	43904	30	*
Patterns and Relations	16	43789	31	*
Shape and Space	10	43474	36	*
Shape and Space	18	43422	58	<ul style="list-style-type: none"> Students summed the lengths of the labeled sides of an irregular rectangular-shaped figure when trying to find its area.
Shape and Space	19	43464	52	<ul style="list-style-type: none"> Students incorrectly determined the number of hours and minutes between two 24-hour clock times.
Statistics and Probability	7	43938	38	<ul style="list-style-type: none"> Students were unable to determine the probability of randomly selecting either of two types of objects from a bag containing a number of different objects.
Statistics and Probability	12	43828	46	<ul style="list-style-type: none"> Students selected the mode instead of the mean of a set of numbers.
Statistics and Probability	14	43738	39	*
Statistics and Probability	20	43414	29	*

Note: 'N/A' represents that there were fewer than 20% of the students who incorrectly answered the item; '*' represents that there was no specific curricular aspect that needed attention since each of the incorrect answers has been chosen by less than 20% of the students.