

Grade Four Numeracy: An Item-level Analysis –Written response questions (Provincial level)

British Columbia

All Schools

FSA May/2005

FSA population (N=47,542)

Content Area	Item #	Number(%) of Respondents	Number(%) of Score0	Number(%) of Score1	Number(%) of Score2	Number(%) of Score3	Number(%) of Score4
Number	21	40391 (100%)	1722 (4%)	3187 (8%)	15409 (38%)	12657 (31%)	7416 (18%)
Statistics and Probability	42	41247 (100%)	1129 (3%)	2480 (6%)	8610 (21%)	20249 (49%)	8779 (21%)

Score Description

Grade 4 Numeracy scoring rubric (click [here](#))

General Comments - Grade 4 Numeracy

Student Strengths

Educators on the marking committee have identified areas of student strengths in Numeracy.

When solving a Number and Number Operations problem, students used creativity and a wide variety of strategies. Many were able to identify four (4) correct combinations.

When solving a Statistics and Probability problem, students used appropriate and effective strategies. Basic multiplication facts and computation skills were well developed and many students were able to identify the nine (9) different possible scores.

Implications for Instruction

The marking committee has offered the following suggestions for instruction to address the areas requiring improvement:

- Improve written communication skills, including organization and use of mathematical language
- More instruction on solving multi-step problems
- Continue to develop basic number and number operations skills
- More instruction on probability problems
- More practice with number operations

The committee also recommends that students read the questions more carefully and show all work.