

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

British Columbia

All Schools

FSA May/2006

FSA population (N=50,070)

Content Area	Item #	Number(%) of Respondents	Number(%) of Score0	Number(%) of Score1	Number(%) of Score2	Number(%) of Score3	Number(%) of Score4
Statistics and Probability	21	43274 (100%)	2876 (7%)	5144 (12%)	15593 (36%)	12390 (29%)	7271 (17%)
Shape and Space	22	41856 (100%)	1744 (4%)	2855 (7%)	8929 (21%)	15810 (38%)	12518 (30%)

Score Description

Grade 7 Numeracy scoring rubric (click [here](#))

General Comments - Grade 7 Numeracy

Student Strengths

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

When solving a Shape and Space problem, students demonstrated creativity and good organizational skills. Many students included a summary statement to conclude their findings.

When solving a Number and Number Operations problem, students demonstrated good reasoning skills and used a wide variety of strategies. Many students included a summary statement to conclude their findings.

Implications for Instruction

The marking committee has identified the following suggestions for student improvement:

- Use appropriate strategies which help to organize work
- Use mathematical tools to improve accuracy and neatness eg. rulers
- Organization and layout of work needs improvement
- Practice solving multi-step problems using a variety of approaches

The committee also suggests that students read the questions carefully and check their work to see if answers are reasonable.