

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

British Columbia

All Schools

FSA February/2008

FSA population (N=39,392)

Content Area	Item #	Number(%) of Respondents	Number(%) of Score0	Number(%) of Score1	Number(%) of Score2	Number(%) of Score3	Number(%) of Score4
Number	1	39392 (100%)	2729 (6%)	7974 (20%)	9151 (23%)	11093 (28%)	8445 (21%)
Shape and Space	2	39392 (100%)	2710 (6%)	6778 (17%)	8923 (22%)	10254 (26%)	10727 (27%)

### Score Description

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

### General Comments - Grade 4 Numeracy

#### Student Strengths:

*Question 1 - Seeds and Posters*

*Strand - Number*

- Most students had at least some understanding of the problem.
- Most students were able to solve the addition/subtraction problem.
- Most students found at least some of the combinations to make \$8.00.

*Question 2 - 24 Desks*

*Strand - Shape and Space*

- Most students understood the question and were able to at least attempt a response.

#### Areas requiring improvement:

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

*Question 1 - Seeds and Posters*

- Students need to develop strategies which allow them to find a complete solution.
- Students should be reminded to show all their work.

*Question 2 - 24 Desks*

- A few students solved the question by thinking about perimeter rather than area. Students should understand the distinction between perimeter and area.

**Implications for instruction:**

The committee suggests that teachers focus on students learning, inventing, and discovering many different strategies. If this is done in a problem-based setting, students will be more equipped to answer the Written Response questions.