

Companion Documents

There are three companion documents to the assessment:

1. Supporting Early Learners

This is a collection of instructional strategies to support grade one students who are at risk because they lack basic numeracy concepts, skills and attitudes. The content focuses on Estimation, Pattern, Counting, Numeral Recognition and Spatial Thinking. Children who may benefit from these materials include those who:

- need explicit and structured support
- hesitate to ask for help
- avoid taking risks
- do not demonstrate growth over time
- might respond to an alternative approach

2. Whole Group Follow-up

These lessons are appropriate for children who struggle in math but benefit from working as part of a whole class. The lessons are designed to address the different levels of numeracy one would find in a classroom. The structured lessons included in the document relate to number and spatial concepts.

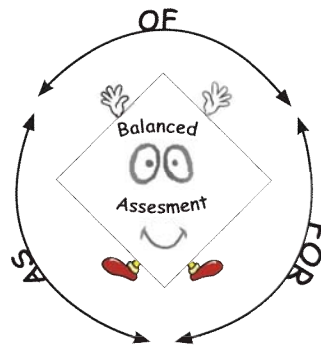
3. Math for Families – Supporting Numeracy at Home

The activities in this document support the assessment and teachers can suggest to parents how they can be used at home.

There should be a hard copy of all the components of this assessment at your school.

If not, you can download the information from:

<http://www.bced.gov.bc.ca/numeracy>



**Please contact the
Coordinator of Primary Programs
in
Instructional Services for more
information.**



“Assessing Early Numeracy”

(an assessment tool)

for Kindergarten
and
Grade One



Assessing Early Numeracy

This assessment tool was created by teachers from around the province involved in the Early Numeracy Project, a joint Ministry of BC and UBC initiative. It is an individual assessment designed to be used at the end of kindergarten or beginning of grade one, with a focus on identifying children at-risk in mathematics. This assessment helps teachers determine which students would benefit from support in grade one and identifies the aspects on which to focus.

The four key aspects of numeracy are:

- Number Skills
- Number Concepts
- Visual-Spatial Thinking
- Attitudes

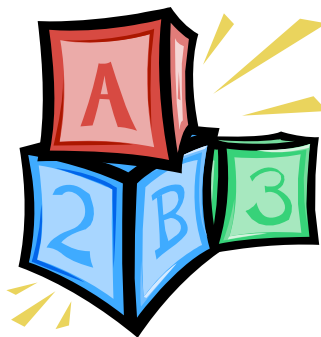
The philosophy behind this assessment is:

- to build a solid foundation of understanding rather than relying on speed or memory
- to support developmental differences and different learning styles
- to understand children's thinking processes about math
- to access spatial strengths in order to make sense of numbers
- to support and enhance children's dispositions and habits of mind



Assessing Early Numeracy

This assessment takes approximately ½ hour per student to administer. If you would like help in administering this assessment, please call Instructional Services.



The Assessment

This assessment looks at:

1. Mathematical Awareness
2. Recognizing Dot Patterns
3. Matching Numerals and Sets
4. Ordering Numerals 0-9
5. Counting Forward
6. Counting Backwards
7. Estimate and Check
8. Counting On/Invariance
9. Build and Change
10. Pattern Items
11. Problem Solving
12. Squares Puzzle
13. Reading Numerals
14. Printing Numerals
15. Coin Sets (optional)
16. Cube Building (optional)
17. 100 Chart (optional)

