

GRADUATION NUMERACY ASSESSMENT

Academic Success • Creativity & Imagination • Citizenship • Resilience



WHAT THE ASSESSMENT LOOKS LIKE:

The actual assessment is made up of 3 parts or “components”. They are:

1. **Common Component** – 24 questions that all students will answer. These are “like” multiple choice BUT directions are to select the correct responses – sometimes multiple.
2. **Student Choice Component** – students choose 2 of the 4 “long response questions” to answer.
3. **Self-Reflection Component** – this section is to be completed but is not marked.

WHAT SPECIFIC SKILLS OR COMPETENCIES ARE BEING ASSESSED:

The assessment is designed to prompt students to use the five numeracy processes:

1. Interpret

- i. think about context of the problem
- ii. make decisions on information we have
- iii. decide what is necessary, or not necessary information

2. Apply

- i. Making a real-life problem into a math problem
- ii. Identifying math concepts that can help solve the problem
- iii. Represent information or data another way

3. Solve

- i. Calculating or checking math solutions
- ii. May require conversions to make relevant comparisons

4. Analyze

- i. Checking solutions to see if they make sense within the situation/context
- ii. Explain why someone else might disagree with your solution/method
- iii. Identify other valid approaches

5. Communicate

- i. Write detailed explanations
- ii. Justify your thinking
- iii. Present your solution in proper context
- iv. May use diagrams/graphs etc. to help your response.



WHAT CURRICULUM THE ASSESSMENT IS ACTUALLY TESTING:

This assessment is not specific to a particular math course, or even grade. It is testing students' abilities to demonstrate an understanding of the concepts and competencies relevant to expected learning in numeracy. It is measuring processes that have developed during their entire K-10 education, in math AND other related units and lessons.

HOW WILL THE ASSESSMENT WILL BE GRADED?

Students will not be given a percentage grade or a letter grade. Instead, students will be rated on a Proficiency Scale of 1-4. This proficiency scale rates students on their "**demonstration of understanding the concepts and competencies relevant to expected learning in numeracy**".

Every student's level of understanding is rated as being at one of the following 4 categories:

1. **Emerging** – demonstrates initial understanding
2. **Developing** – demonstrates partial understanding
3. **Proficient** – demonstrates complete understanding
4. **Extending** – demonstrates sophisticated understanding

ARE THE RESULTS FINAL?

Students have the option to rewrite the test an additional two times – should they want to try increasing their rating. Rewrites must be done on days specified by the school (January and/or June).

WILL THE RESULTS BE PART OF A STUDENT'S MATH GRADE OR OFFICIAL TRANSCRIPT?

The results **WILL NOT** be reflected in a student's Math Course mark.

Both the ratings of the Graduation Numeracy and Literacy Assessments **WILL** show up on an student's Official Transcript. It is possible that post-secondary institutions will use these results as value-added information when determining admission requirements.

WHERE CAN A SAMPLE ASSESSMENT BE FOUND?

A sample assessment (and answer key), as well as short video explanations, can be found at:

<https://curriculum.gov.bc.ca/provincial-assessment/graduation/numeracy>

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