



BCDLA Meeting Sept.20

Janine Hannis - Assessments





Purpose of the GNA

The Graduation Numeracy Assessment assesses a student's understanding, application of knowledge and deeper learning, and has students apply mathematical reasoning learned throughout their education. It also serves as a graduation requirement for all students.





Purpose of the GNA

The GNA is not defined as formative or summative. Information can be used **both** summatively and formatively.

Formative

- ✓ support individual students by providing descriptive information for formative use and goal setting e.g.:
 - students can use the information in the proficiency scale and the detailed student report to set new learning goals.
- ✓ provide additional information for educators, allowing them to identify areas of strength and weakness

Summative

- ✓ provide schools, districts, and the Ministry with system-level information regarding the extent to which students are proficient in numeracy
- ✓ provide students with evidence of their numeracy for use after graduation
- ✓ describe the proficiency levels of subgroups of a population (e.g., Aboriginal students) for use by schools, districts, Ministry, and key stakeholder groups
- ✓ help inform decision making at all levels of the education system regarding performance in numeracy
- ✓ provide information for schools, districts, and the Ministry regarding trends in performance over time



Common questions

- Who is required to write the GNA?
- What is the difference between numeracy and Math?
- What level of “literacy” is required?
- Will post-secondary institutions consider GNA results as part of admission?

Numeracy

Numeracy is the ability, willingness, and perseverance to interpret and apply mathematical understanding to solve problems in contextualized situations, and to analyze and communicate these solutions in ways relevant to the given context.



Provincial Administration (June 2018)

- Approximately 50,000 students
- Student results are now available
- As in January, the GNA performed well as an assessment instrument and had high statistical reliability
- Student results are comparable to those from January
- Next session of the GNA is November 5-7, 2018



Finding the Student Report

Students log-in to the Student Transcripts Service to view their detailed GNA results.

StudentTranscripts 

If you have a Personal Education Number (PEN)

You will need a BCeID to access the StudentTranscripts Service

[Log in with BCeID](#) [Sign Up for a BCeID](#)

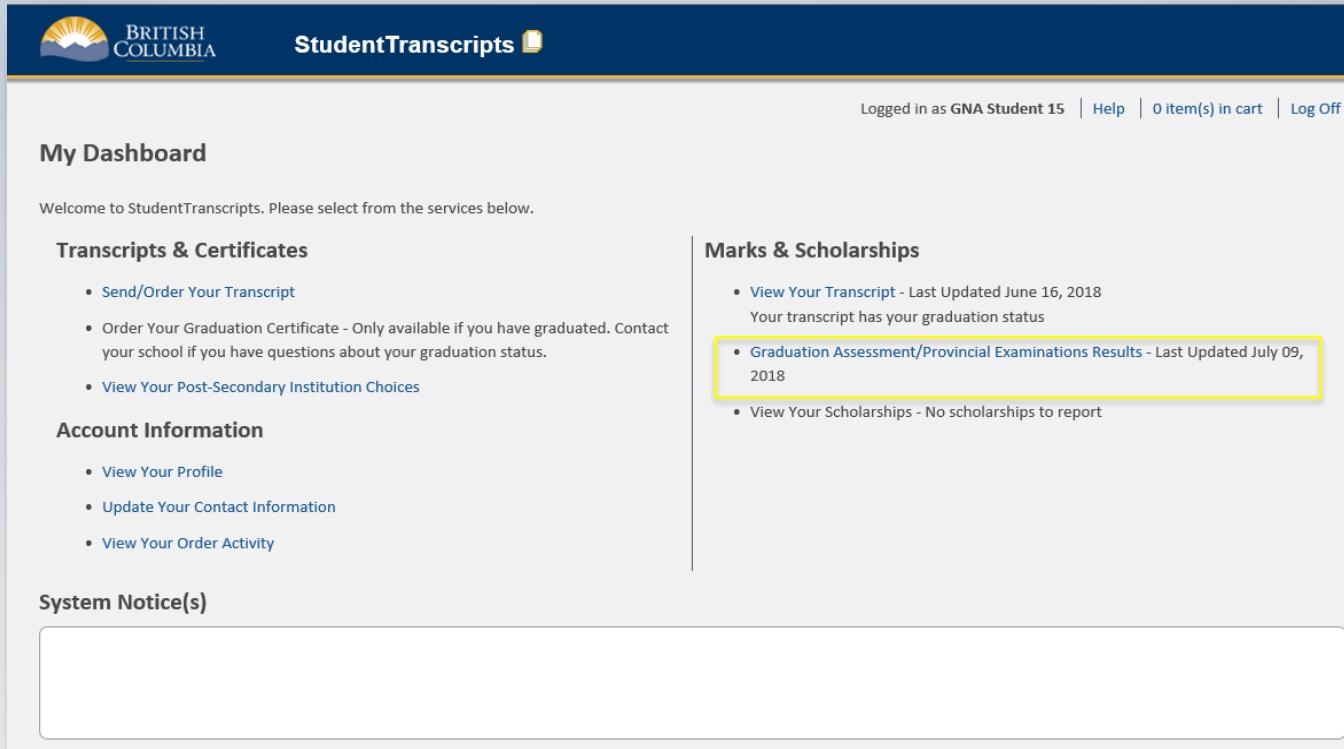


www.studenttranscripts.gov.bc.ca



Finding the Student Report Cont'd

Students can find their GNA results under their dashboard.



BRITISH COLUMBIA StudentTranscripts

Logged in as GNA Student 15 | Help | 0 item(s) in cart | Log Off

My Dashboard

Welcome to StudentTranscripts. Please select from the services below.

Transcripts & Certificates

- [Send/Order Your Transcript](#)
- [Order Your Graduation Certificate](#) - Only available if you have graduated. Contact your school if you have questions about your graduation status.
- [View Your Post-Secondary Institution Choices](#)

Account Information

- [View Your Profile](#)
- [Update Your Contact Information](#)
- [View Your Order Activity](#)

Marks & Scholarships

- [View Your Transcript](#) - Last Updated June 16, 2018
Your transcript has your graduation status
- [Graduation Assessment/Provincial Examinations Results](#) - Last Updated July 09, 2018
- [View Your Scholarships](#) - No scholarships to report



www.studenttranscripts.gov.bc.ca

Online Student Results



Student Name:
School Name:

Ministry of Education Graduation Assessment/Provincial Examination Results

Last Updated Date
09-JUL-2018

Personal Education Number:

Session Date	Assessment/Examination Title	School %	Best School %*	Exam %	Best Exam %*	Final % / Assmt Score	Final Grade
2018/01	NUMERACY ASSESSMENT	N/A	N/A	N/A	N/A	3	N/A

Assessment Scores:

- 1 = Emerging – Demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.
- 2 = Developing – Demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.
- 3 = Proficient – Demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.
- 4 = Extending – Demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.

AEG = Aegrotat Standing

DSQ = Student was disqualified

NC = Student did not complete enough of the assessment

If you have achieved a proficiency level of 1, 2, 3, 4 or AEG you have met the graduation requirement.

Course Marks:

A = 86-100% B = 73-85% C+ = 67-72% C = 60-68% C- = 50-59% F = 0-49% (FAIL)

*Best % refers to the student's best % if the course or exam is taken multiple times.

The school percentage is combined with the Provincial Examination percentage to produce a final percentage and final grade. Non-provincially examinable courses have standings determined entirely by the school and are not recorded on this statement.

If you have any questions about these results, please contact your school or district office.



Ministry of Education Graduation Numeracy Assessment Student Report

Personal Education Number:
Session Date:
2018/01

The Graduation Numeracy Assessment (GNA) is a province-wide assessment required for graduation. Numeracy, like literacy, is an important life skill. You and your school may use your GNA results to understand your areas of strength and how to support your further learning. The GNA also provides information to schools, districts and the Province about how numerate students are in B.C.

Your overall result has been categorized into one of four proficiency levels: Emerging, Developing, Proficient or Extending.

Your result on the Graduation Numeracy Assessment is: 3 — Proficient.

1 — Emerging	2 — Developing	3 — Proficient	4 — Extending
<p><i>Students demonstrate an initial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none"> • retrieve information from sources (e.g., graph, image, table) • attempt to solve a real-world problem • communicate thinking with minimal evidence • use a narrow range of mathematical concepts, tools and approaches 	<p><i>Students demonstrate a partial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none"> • apply information from sources (e.g., graph, image, table) • apply a strategy to solve a real-world problem • communicate thinking with limited supporting evidence • use an adequate range of mathematical concepts, tools and approaches 	<p><i>Students demonstrate a complete understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none"> • analyze and interpret information from sources (e.g., graph, image, table) in a logical manner • select an appropriate strategy to solve a real-world problem • communicate thinking with sufficient supporting evidence • use a broad range of mathematical concepts, tools and approaches 	<p><i>Students demonstrate a sophisticated understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none"> • deeply analyze and synthesize information from sources (e.g., graph, image, table) in a logical manner • select an effective strategy to solve a real-world problem • communicate thinking with thorough supporting evidence • use an extensive range of mathematical concepts, tools and approaches

Your Raw Scores

This score indicates how you performed on each Task and is not directly convertible to your proficiency level.

Online Questions	Your Score	Out Of
Plan and Design — Students make a recommendation or design a product while working within constraints such as time, space, cost, or people. <i>Example: Design a plan to reduce a family's monthly water consumption.</i>	6	6
Reasoned Estimates — Students propose a logical solution based on estimation, while considering multiple factors. <i>Example: Estimate the population of a historical village based on discovered artifacts.</i>	3	6
Fair Share — Students decide how best to share something fairly. <i>Example: Determine a procedure to distribute a group prize.</i>	3	6
Model — Students analyze data for patterns and then apply their model to another situation, making any necessary refinements. <i>Example: Predict the likelihood of an event based on a data trend.</i>	4	6
Extended Written Response Questions	7	16
Plan and Design — Students make a recommendation or design a product while working within constraints such as time, space, cost, or people. <i>Example: Design a plan to reduce a family's monthly water consumption.</i>	3	8
Model — Students analyze data for patterns and then apply their model to another situation, making any necessary refinements. <i>Example: Predict the likelihood of an event based on a data trend.</i>	4	8



Numeracy Proficiency Scale

1 - Emerging	2 - Developing	3 - Proficient	4 - Extending
<p><i>Students demonstrate an initial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• retrieve information from sources (e.g., graph, image, table)• attempt to solve a real-world problem• communicate thinking with minimal evidence• use a narrow range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a partial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• apply information from sources (e.g., graph, image, table)• apply a strategy to solve a real-world problem• communicate thinking with limited supporting evidence• use an adequate range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a complete understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• analyze and interpret information from sources (e.g., graph, image, table) in a logical manner• select an appropriate strategy to solve a real-world problem• communicate thinking with sufficient supporting evidence• use a broad range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a sophisticated understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• adeptly analyze and synthesize information from sources (e.g., graph, image, table) in a logical manner• select an effective strategy to solve a real-world problem• communicate thinking with thorough supporting evidence• use an extensive range of mathematical concepts, tools and approaches

GNA Student Report



Ministry of
Education

Student Name: LI, GRACE

Session Date: 2018/01

Ministry of Education
Graduation Numeracy Assessment
Student Report

Personal Education Number: 123456789 School Name: JH Secondary

The Graduation Numeracy Assessment (GNA) is a province-wide assessment required for graduation. Numeracy, like literacy, is a foundational skill. You and your school may use your GNA results to understand your areas of strength and how to support your further learning. The GNA also provides information to schools, districts and the Province about how numerate the students are in B.C.

This report describes your overall result on the GNA. Your result has been categorized into one of four proficiency levels: Emerging, Developing, Proficient or Extending. Your result has been highlighted.

Your result on the Graduation Numeracy Assessment is: 3 - Proficient.

1 - Emerging	2 - Developing	3 - Proficient	4 - Extending
<p><i>Students demonstrate an initial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• retrieve information from sources (e.g., graph, image, table)• attempt to solve a real-world problem• communicate thinking with minimal evidence• use a narrow range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a partial understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• apply information from sources (e.g., graph, image, table)• apply a strategy to solve a real-world problem• communicate thinking with limited supporting evidence• use an adequate range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a complete understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• analyze and interpret information from sources (e.g., graph, image, table) in a logical manner• select an appropriate strategy to solve a real-world problem• communicate thinking with sufficient supporting evidence• use a broad range of mathematical concepts, tools and approaches	<p><i>Students demonstrate a sophisticated understanding of the concepts and competencies relevant to the expected learning, specifically, they can:</i></p> <ul style="list-style-type: none">• adeptly analyze and synthesize information from sources (e.g., graph, image, table) in a logical manner• select an effective strategy to solve a real-world problem• communicate thinking with thorough supporting evidence• use an extensive range of mathematical concepts, tools and approaches

→ GNA Student Report

Your Raw Scores

Below are your raw scores on the GNA. This score indicates how you performed on each Task and is not directly convertible to your proficiency level.

	Your Score	Out Of
Online Questions	14	24
Plan and Design – Students make a recommendation or design a product while working within constraints such as time, space, cost, or people. <i>Example: Design a plan to reduce a family's monthly water consumption.</i>	3	6
Reasoned Estimates – Students propose a logical solution based on estimation, while considering multiple factors. <i>Example: Estimate the population of a historical village based on discovered artifacts.</i>	5	6
Fair Share – Students decide how best to share something fairly. <i>Example: Determine a procedure to distribute a group prize.</i>	4	6
Model – Students analyze data for patterns and then apply their model to another situation, making any necessary refinements. <i>Example: Predict the likelihood of an event based on a data trend.</i>	2	6
Extended Written Response Questions	10	16
Plan and Design – Students make a recommendation or design a product while working within constraints such as time, space, cost, or people. <i>Example: Design a plan to reduce a family's monthly water consumption.</i>	6	8
Fair Share – Students decide how best to share something fairly. <i>Example: Determine a procedure to distribute a group prize.</i>	4	8

Further information about the GNA, student pre-assessment activities and a parent guide is available at
<https://curriculum.gov.bc.ca/provincial-assessment/graduation/numeracy>

If you have any questions about your results, please contact your school or district office.



Finding the School Report?

Schools log-in to the School Secure Web to view the detailed GNA results.

• Ministry Home • Government of British Columbia

EdAccess

School Secure Web TSW-5071

Logon

Principal ID:

Password:

[Forgot your password? Click here.](#)

In order for the Ministry to perform routine maintenance, the secure web will not be available at the following times:
Tuesday 6:00am - 7:30am
Thursday 6:00am - 7:30am
Sunday 8:00am - 11:00am
Sunday 8:00pm - 11:00pm
(Pacific Time)

•Top •Copyright •Disclaimer •Privacy •Feedback



<https://www.bced.gov.bc.ca/exams/tsw/principals/principals/showSchoolReports.do>





Numeracy School Level Report

School level reports will be available by October 2018.

The school level reports will contain all of the information found on the student report, plus break downs by:

- province
- district
- school

The data will also be available in csv format by PENs for those wishing to do further analyses.

PRELIMINARY DRAFT – FOR DISCUSSION PURPOSES									
		Ministry of Education							
Graduation Numeracy Assessment School Level Report									
Run Date: 2018-AUG-31 Assessment Session: June 2018									
097 VANCOUVER ISLAND SOUTH 09797010 ÉCOLE SECONDAIRE GEORGE VANCOUVER SECONDARY									
----- Proficiency Level Distribution (%) -----									
	1	2	3	4	NC				
School	20.42	38.40	31.62	8.40	1.16				
School District	22.15	42.94	26.68	7.80	.43				
All Public	19.53	37.57	29.44	13.38	.08				
Province	20.28	36.82	29.62	14.21	.07				
----- Assessment Raw Scores (mean) -----									
	Plan and Design	Reasoned Estimates	Fair Share	Model					
by Task (%)									
School	56.60	64.66	61.05	40.99					
School District	59.42	64.12	52.92	43.68					
All Public	62.83	68.68	60.03	53.35					
Province	63.56	69.84	61.01	53.16					
	Interpret	Apply	Solve	Analyze					
by Numeracy Process (%)									
School	65.38	60.22	58.61	44.68					
School District	66.63	62.08	61.94	46.42					
All Public	70.26	67.31	64.33	52.73					
Province	71.82	69.24	64.42	52.66					
	Level 1 Recall	Level 2 Skill/Concept	Level 3 Strategic Thinking						
by Cognitive Level (%)									
School	67.68	64.61	59.22						
School District	69.92	67.47	66.06						
All Public	71.97	69.32	66.30						
Province	73.38	70.52	67.36						

This school's student-level data for this assessment administration can be accessed from TraxSchoolWeb.
Questions? Contact Education.NumeracyAssessment@gov.bc.ca



Online Home Screen

→ Ministry Home *Government of British Columbia

EdAccess

School Secure Web TSW-1040

[Help](#)

TRAX (Transcript and Graduation Assessments/Examinations)

- Graduation Assessment/Exam Registrations
 - Online Graduation Assessment/Exam Register (██████████ Synchronization in progress)
- Graduation Assessment/Examination Results and Reports
 - [School Reports](#) available for each graduation assessment/exam session.
 - [Graduation Assessment/Exam Results for Download](#)
 - [Individual Results](#) for students who have written Provincial Graduation Assessment/Exams.
- TRAX Data Transfers
 - [TRAX Data Error and Non-Grad Reports](#)
- Student Transcript Verification Reports (TVRs)
 - [Summary of Students](#) (may take a few moments to load)
 - [TVRs for Non-Graduating Students](#) (may take a few moments to load)
 - [TVRs for Graduating Students](#) (may take a few moments to load)
 - [Individual TVRs available by PEN](#)
 - [Blank TVR](#)
 - [TVR Non-Graduate Report](#)
- [Post Secondary Reports](#)
- [Graduation Assessment/Exam Materials and Forms](#)
- [Unofficial Transcript of Grades \(UTGs\)](#)

FSA (Foundation Skills Assessment)

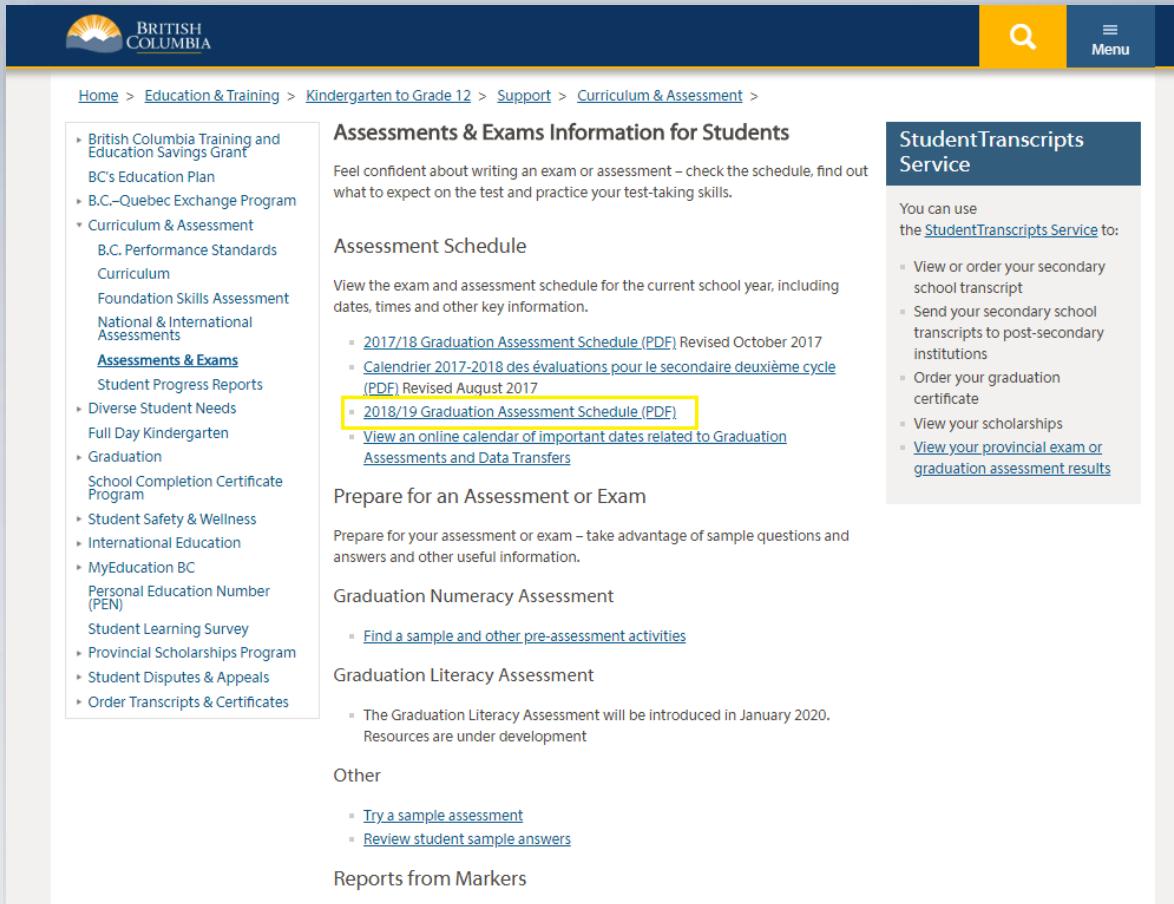
- [Results for students who wrote](#) at your school in February 2017 - No results available
- [Historical FSA Results](#)

General

- [Logoff](#)

[Back](#)

GNA Schedule



The screenshot shows the British Columbia Ministry of Education website. The top navigation bar includes the BC logo, a search icon, and a 'Menu' icon. The main content area has a breadcrumb trail: Home > Education & Training > Kindergarten to Grade 12 > Support > Curriculum & Assessment >. The left sidebar contains a list of links related to training, education savings, exchange programs, curriculum, assessments, student progress, diverse needs, graduation, safety, international education, MyEducation BC, and transcripts. The main content area is titled 'Assessments & Exams Information for Students' and includes sections for 'Assessment Schedule', 'Prepare for an Assessment or Exam', 'Graduation Numeracy Assessment', 'Graduation Literacy Assessment', 'Other', and 'Reports from Markers'. A sidebar on the right is titled 'StudentTranscripts Service' and provides information on how to use the service to view or order transcripts, send transcripts to post-secondary institutions, order graduation certificates, and view scholarships and provincial exam results. A yellow box highlights the '2018/19 Graduation Assessment Schedule (PDF)' link.

Home > Education & Training > Kindergarten to Grade 12 > Support > Curriculum & Assessment >

Assessments & Exams Information for Students

Feel confident about writing an exam or assessment – check the schedule, find out what to expect on the test and practice your test-taking skills.

Assessment Schedule

View the exam and assessment schedule for the current school year, including dates, times and other key information.

- [2017/18 Graduation Assessment Schedule \(PDF\)](#) Revised October 2017
- [Calendrier 2017-2018 des évaluations pour le secondaire deuxième cycle \(PDF\)](#) Revised August 2017
- [2018/19 Graduation Assessment Schedule \(PDF\)](#)
- [View an online calendar of important dates related to Graduation Assessments and Data Transfers](#)

Prepare for an Assessment or Exam

Prepare for your assessment or exam – take advantage of sample questions and answers and other useful information.

Graduation Numeracy Assessment

- [Find a sample and other pre-assessment activities](#)

Graduation Literacy Assessment

- The Graduation Literacy Assessment will be introduced in January 2020. Resources are under development

Other

- [Try a sample assessment](#)
- [Review student sample answers](#)

Reports from Markers

StudentTranscripts Service

You can use the [StudentTranscripts Service](#) to:

- View or order your secondary school transcript
- Send your secondary school transcripts to post-secondary institutions
- Order your graduation certificate
- View your scholarships
- [View your provincial exam or graduation assessment results](#)



<https://www2.gov.bc.ca/gov/content/education-training/k-12/support/curriculum-and-assessment/provincial-exams>

→ GNA Admin Guide

Graduation Numeracy Assessment Administration Guide – May 2018



Graduation Numeracy Assessment Quick Facts

- The Graduation Numeracy Assessment (GNA) is a graduation requirement for all students graduating after June 30, 2018. If a student has already passed completed a Math 10 course and taken the associated provincial exam, they do not need to take the GNA.
- Students will take the GNA during their graduation years (Grades 10–12); schools will determine scheduling.
- Students must be registered in advance to take the GNA (see page 3).
- Assessment questions are delivered online but require both computer-based and hand-written responses.
- All schools are required to receive, distribute and collect the paper response sheets, and then return them to the Ministry of Education for marking. Any additional scrap paper should be destroyed.
- Signature sheets will NOT be required. Rather invigilators will download the Confirmation Code report, sign it, keep one copy at the school and send another back to the Ministry.
- The GNA typically requires two hours to complete; however, students may use additional time if needed.
- The GNA is not tied to a specific math course. Rather, it evaluates a student's numeracy skills developed over the course of their education.
- Results will be reported using a proficiency scale. Students can re-take the GNA up to two times to improve their proficiency. Their best level achieved will be counted as their final result.
- Students will access results and a personalized performance report through the [StudentTranscripts Service](#). Educators will access this information through [School Secure Web](#). Comments from markers on the student-choice, open-ended questions are available under [Reports from Markers](#).
- Programme Francophone and French Immersion students may take the GNA in either French or English during any given session.

What's Inside This Guide?

- Key Ministry of Education contacts
- Pre-assessment day technical requirements and planning tips
- Assessment day tips
- Resources
- Hand-held device technical requirements
- Model of the Graduation Numeracy Assessment
- Revised adjudication criteria

ACTION

It is strongly recommended that schools set up their technical systems as soon as possible to ensure a smooth launch of the assessment's electronic component.

Please start by having your school's IT staff review the [technical specifications](#).



BRITISH COLUMBIA | Ministry of Education

Graduation Numeracy Assessment Administration Guide Offshore and Yukon Edition – June 2018



Graduation Numeracy Assessment Quick Facts

- The Graduation Numeracy Assessment (GNA) is a graduation requirement for all students graduating after June 30, 2018. If a student has already passed completed a Math 10 course and taken the associated provincial exam, they do not need to take the GNA.
- Students will take the GNA during their graduation years (Grades 10–12); schools will determine scheduling.
- Students must be registered in advance to take the GNA. If pre-registration has closed, please see Appendix C for late or new registrations.
- Assessment questions are delivered online but require both computer-based and hand-written responses.
- All schools are required to receive, distribute and collect the paper response sheets, and then return them electronically to the Ministry of Education for marking. Students are permitted one response sheet (double sided) per open-ended question. Scrap paper will not be marked and should be destroyed.
- Signature sheets will NOT be required. Rather, invigilators will download the Confirmation Code Report, and sign, scan and upload it along with the response sheets to the exam system, and then securely store these materials on site for 24 months.
- The GNA typically requires two hours to complete; however, students may use additional time if needed.
- The GNA is not tied to a specific math course. Rather, it evaluates a student's numeracy skills developed over the course of their education.
- Results will be reported using a proficiency scale. Students can re-take the GNA up to two times to improve their proficiency. Their best level achieved will be counted as their final result. See the proficiency categories in [Info for parents and students](#).
- Students will access results and a personalized performance report through the [StudentTranscripts Service](#). Educators will access this information – and school-level reports – through [School Secure Web](#). Comments from markers on the student-choice, open-ended questions are available under [Reports from Markers](#).

What's Inside This Guide?

- Key Ministry of Education contacts
- Pre-assessment day technical requirements and planning tips
- Assessment day tips
- Resources
- Hand-held device technical requirements
- Instructions for printing and scanning

ACTION

It is strongly recommended that schools set up their technical systems as soon as possible to ensure a smooth launch of the assessment's electronic component.

Please start by having your school's IT staff review the [technical specifications](#).



BRITISH COLUMBIA | Ministry of Education



<https://curriculum.gov.bc.ca/assessment>



GNA Parent Brochure

Brochure available in 11 languages:

- English
- Français
- Español
- Tagalog
- ਪੰਜਾਬੀ
- 简体中文
- 繁體中文
- 한국어
- हिंदी
- فارسی
- عربی

Quick Facts

- The Graduation Numeracy Assessment is a new provincial assessment and a graduation requirement for all students graduating after June 30, 2018.
- The Graduation Numeracy Assessment is not tied to a specific math course. Rather, it evaluates a student's numeracy skills developed over the course of their education.
- Students will take the assessment during their graduation years (Grades 10-12); schools will determine scheduling.
- Students can re-take the Graduation Numeracy Assessment to improve their proficiency score. Their best level achieved will be counted as their final result.
- Results will be reported using a proficiency scale.
- Students will access results and a personalized performance report through the [Student Transcripts Service](#).
- The Graduation Numeracy Assessment typically requires two hours to complete; however, students may use an additional hour if they require the extra time.

What do the proficiency categories look like?

Proficiency	Emerging (1)	Developing (2)	Proficient (3)	Extending (4)
	The student demonstrates minimal understanding of the concepts and competencies related to the expected learning.	The student demonstrates partial understanding of the concepts and competencies related to the expected learning.	The student demonstrates a complete understanding of the concepts and competencies related to the expected learning.	The student demonstrates a sophisticated understanding of the concepts and competencies related to the expected learning.

Will results be considered by post-secondary institutions?

Each post-secondary institution has the authority to determine admission requirements for students. Some have already indicated they will not use the Graduation Numeracy Assessment for admissions at this time. It is possible others will use it to inform decisions on admissions. Students may wish to contact the institution they are applying to for more information.

Employers may also be interested in a student's assessment results, as evidence of their achievement in numeracy.

More questions? Visit the Ministry of Education website for more information about the Graduation Numeracy Assessment, including a sample assessment and videos to help students prepare.

信息速览

• 毕业数理能力评估 (Graduation Numeracy Assessment) 是一项新设立的省级评估项目，对于所有在2018年6月30日之后毕业的学生，这项评估将成为他们毕业的条件。

水平等级是如何设定的？

等级	初阶(1)	发展(2)	精通(3)	扩展(4)
	该生表现出部分理解与预期相关的概念和能力。	该生部分理解与预期相关的概念和能力。	该生完全理解与预期相关的概念和能力。	该生表现出对与预期相关的概念和能力有更深入的理解。

GRADUATION NUMERACY ASSESSMENT

Graduation Numeracy Assessment
Information for Parents & Students
May 2018

What does the Graduation Numeracy Assessment look like?

The assessment is based on mathematical concepts learned across multiple subjects from kindergarten to Grade 10, with an emphasis on K-9. Students will use five numeracy processes (different ways of thinking and working) to solve problems: interpret, apply, solve, analyze, and communicate.

The assessment is delivered online and has three essential components:

- Common component:** 24 computer-scored questions completed online by all students.
- Student-choice component:** Two written-response questions completed on paper. These are deeper questions that require students to present their solutions in context, and provide detailed explanations to justify their thinking. These questions are based on the information and work the student will have completed earlier in the common component. Students pick 2 of 4 possible questions and take their analysis deeper.
- Self-reflection component:** These questions ask the student to reflect on their experience with the assessment. The process of reflection becomes part of their learning. This portion is completed online and is not marked.

How should students prepare?

There are pre-assessment activities for students to explore ahead of time and help them to prepare. These include the sample assessment and a series of videos that explain how to solve questions using the five numeracy processes.



<https://curriculum.gov.bc.ca/assessment>

Literacy Field Test

- Coming soon!
- November 7-9
- Does not count for marks, but will help inform the ministry how it is received and crucial for making changes and tweaks to the assessment

Thank you!

Janine Hannis

Janine.Hannis@gov.bc.ca

250-886-2163

