Cat5 Level 19 Teacher's Guide

Grade 9 (<u>Non-Semester</u> Spring testing): March 1st – June 30
(<u>Semester</u> Spring testing): May 1st – June 30
Grade 10 (<u>Non-Semester</u> Fall testing): September 1st – November 30
(<u>Semester</u> Fall testing): September 1st – October 31

Language and Mathematics Subtests

Please note that *Cat5 Level 19 subtests* cover the *Grade 9 curriculum*, so it is intended for students who have completed most of Grade 9. The Spring and Fall testing dates are noted above, please administer the tests within those timeframes.

Language Subtests

	Requirements	Administration Times
Reading		55 minutes
Word Analysis		
Vocabulary		25 minutes
Writing Conventions		40 minutes
Spelling		15 minutes

Mathematics Subtests

	Requirements	Administration Times
Mathematics	Calculators permitted **[Create separate test session]**	60 minutes
Computation and Estimation	*No* calculators permitted **[Create separate test session]**	40 minutes
Real World Math		

Reminders

☐ Teachers should administer *each* subtest in one sitting.

☐ (For Language subtests) Administer the Reading subtest first.

    o The contexts for many of the questions in the language subtests are taken from themes found in the Reading subtest.

☐ <u>Create separate test sessions</u> for Cat5 Level 19 *Mathematics* and *Computation and Estimation*

    o Calculators are permitted for *Mathematics subtests only.*

☐ Refer to *Appendix A* below to determine the *English Language courses* in your province that are associated with each subtest.

☐ Refer to *Appendix B* below to determine the *Secondary Mathematics courses* that are associated with each subtest.

    o Grade 9 students in *all provinces* will have both *Mathematics* and *Computation & Estimation* subtests, as there is no distinction in streams on the Cat5 (Academic/Applied).

Pause and Log Out Sessions

☐ In order to pause the session during a test sitting, teachers can locate the *Pause Session* button on their Teacher Dashboard in the **Session Details** page.

    o Students must select the **Next button [>]** in order for the pause to be triggered.

☐ After you return from a break, click on *Resume Session* to give access to students without them having to log in again.

☐ At the *end of each sitting*, please select *Pause Session* if the devices will not be used for anything else.

☐ At the *end of the testing day*, always select *Log Out Session for all* on the Teacher Dashboard (in Session Details page) to ensure that students do not continue the test outside of the classroom or outside of your scheduled testing time.

For other user documentation, please visit: **Cat5 Resources**.

Appendix A:
English Language Guide for Secondary Teachers

Provinces	Grade 9	Grade 10		Grade 11		Grade 12	
ON	De-streamed English (ENL1W)	Applied English (ENG2P)	Academic English (ENG2D)	English College (ENG3C)	English University (ENG3U)	English College (ENG4C)	English University (ENG4U)
SK	ELA 9		ELA A10 and ELA B10		ELA 20		ELA A30 and ELA B30
AB	ELA 9	ELA 10-2	ELA 10-1	ELA 20-2	ELA 20-1	ELA 30-2	ELA 30-1
BC	ELA 9		Literary Studies 10, English First Peoples Literary Studies 10	Communications 11	Literary Studies 11, English First Peoples Literary Studies and New Media 11	Communications 12	English Studies 12, Literary Studies 12, English First Peoples 12
MB	Grade 9 ELA		ELA 20F		ELA Comprehensive Focus 30S, ELA Literary Focus 30S, ELA Transactional Focus 30S		ELA Comprehensive Focus 40S, ELA Literary Focus 40S, ELA Transactional Focus 40S
NB	English 9		English 10		Englis 112		English 122
QC (English only)	ENG632-306, ENG-306-3, and ENG-3062-3		ENG-632-406, ENG-4061-3, and ENG-4062-3	Secondary Year 4 English/SELA IV 630-416, ENG-4061-3 and ENG-4062-3 (CERP)	ENG 5016-3 and 5062-3 (STG), Secondary Year 4 ENG/ SELA IV, CERP	Secondary Year 5 English/SELA V (English as a First Language) 630-516, ENG-5061-3 and ENG-5062-3 (CERP)	
NS	ELA 9		English 10: Foundation Year		English 11		English 12
PE	ELA 9		ELA 10, ENG421A, and ENG421B (Pre-IB)		ELA 11, ENG 521A		ELA 12, English 621A
NL	ELA 9		English 1201		English 2201		English 3201
NT	ELA Grade 9		ELA 10-1	ELA 20-2	ELA 20-1	ELA 30-2	ELA 30-1
NU	ELA Grade 9		ELA 10-1	ELA 20-2	ELA 20-1	ELA 30-2	ELA 30-1
YK	ELA 9		Literary Studies 10, English First Peoples Literary Studies 10	Communications 11	Literary Studies 11, English First Peoples Literary Studies and New Media 11	Communications 12	English Studies 12, Literary Studies 12, English First Peoples 12

Appendix B:
Mathematics Guide for Secondary Teachers

Provinces	Grade 9*	Grade 10		Grade 11		Grade 12	
		Applied	Academic	College	University	College	University
ON	Mathematics (MTH1W)	Foundations of Mathematics (MFM2P)	Principles of Mathematics (MPM2D)	Foundations of College Math (MBF3C) / Functions & Applications (MCF3M)	Functions (MCR3U)	Mathematics for College Technology (MCT4C)	Advanced Functions (MHF4U)
W.N.C.P.	**Mathematics**	**Mathematics**		**Foundations**	**Pre-Calculus**	**Foundations**	**Pre-Calculus**
SK	Mathematics	Foundations of Mathematics and Pre-Calculus 10		Foundations of Mathematics 20	Pre-Calculus 20	Foundations of Mathematics 30	Pre-Calculus 30
AB	Mathematics	Mathematics 10c (combined)		Mathematics 20-2	Mathematics 20-1	Mathematics 30-2	Mathematics 30-1
BC	Mathematics 9	Foundations of Mathematics and Pre-Calculus 10		Foundations of Mathematics 11	Pre-Calculus 11	Foundations of Mathematics 12	Pre-Calculus 12
MB	Mathematics (10F)	Intro to Applied and Pre-Calculus Mathematics (20S)		Applied Mathematics (30S)	Pre-Calculus Mathematics (30S)	Applied Mathematics (40S)	Pre-Calculus Mathematics (40S)
NB	Mathematics 9	Geometry, Measurement, and Finance 10 / Number, Relations, and Functions 10		Foundations of Mathematics 110	Pre-Calculus 110	Foundations of Mathematics 120	Pre-Calculus A 120 / Pre-Calculus B 120
QC	Cycle 2 First Year Mathematics	Cycle 2 Second Year Mathematics *Technical & Scientific Option or Science Option*		Cycle 2 Third Year Mathematics *Technical & Scientific Option*	Cycle 2 Third Year Mathematics *Science Option*		
NS	Mathematics	Mathematics 10		Mathematics 11	Pre-Calculus	Mathematics 12	Pre-Calculus 12
PE	Mathematics	Foundations and Pre-Calculus		Foundations	Pre-Calculus	Foundations	Pre-Calculus 12
NL	Mathematics	Mathematics 1201		Mathematics 2201	Mathematics 2200	Mathematics 3201	Mathematics 3200
NT	Mathematics	Mathematics 10c (combined)		Mathematics 20-2	Mathematics 20-1	Mathematics 30-2	Mathematics 30-1
NU	Mathematics	Mathematics 10c (combined)		Mathematics 20-2	Mathematics 20-1	Mathematics 30-2	Mathematics 30-1
YK	Mathematics	Foundations and Pre-Calculus		Foundations of Mathematics	Pre-Calculus	Foundations	Pre-calculus

As of 2021, the mathematics subtest for grade 9 in all provinces is called "Mathematics", with no distinct streams.

Appendix C:
Mathematics Formula Sheets*
To print Formula Sheets, go to: Cat5 website -> Resources -> Math Formula Sheets, and select the appropriate grade & curriculum.

Ontario Grade 9 Mathematics	W.N.C.P. Grade 9 Mathematics
Pythagorean Theorem $a^2 + b^2 = c^2$, where c is the length of the hypotenuse	**Pythagorean Theorem** $a^2 + b^2 = c^2$, where c is the length of the hypotenuse
Measurement Formulas: for calculations on the test using π, use π = 3.14	***Measurement Formulas:*** for calculations on the test using π, use π = 3.14
Area of a **circle** with radius r $A = \pi r^2$	Area of a **circle** with radius r $A = \pi r^2$
Circumference of a **circle** with radius r $C = 2\pi r$	Circumference of a **circle** with radius r $C = 2\pi r$
Area of a **triangle** with base b and height h $A = \frac{1}{2}bh$	Area of a **triangle** with base b and height h $A = \frac{1}{2}bh$
Volume of **Prism**: Volume = area of base x height of the prism	Surface Area of **Right Cylinder** with height h and radius r $SA = 2\pi rh + 2\pi r^2$
Volume of **Pyramid**: Volume = $\frac{1}{3} \times$ (the volume of the enclosing prism)	Volume of **Prism**: Volume = area of base x height of the prism
Volume of **Cylinder** with height h and radius r $V = \pi r^2 h$	
Volume of **Cone** with height h and radius r $V = \frac{1}{3}\pi r^2 h$	
Surface Area of **Cylinder** with height h and radius r $SA = 2\pi rh + 2\pi r^2$	
Surface Area of a **Cone** with radius r and slant height s $SA = \pi rs + \pi r^2$	