

Grade 7 Mathematics Assessment Blueprint

The *Grade 7 Mathematics Assessment* consists of 28 selected-response and short-answer items based on the *Mathematics Grade 7 Curriculum* (priority outcomes). Students read the questions and respond to all items through *Assessment Master*, the online assessment platform. Students have 60 minutes to complete the assessment with an additional 60 minutes offered as a universal accommodation. Items for the assessment are selected by a committee of New Brunswick educators and are based on the *Mathematics Grade 7 Curriculum (priority) Outcomes* achievement indicators.

New Brunswick provincial mathematic curriculum K – 9 is divided into 4 strands: numbers, patterns & relations, shape & space, and statistics & probability. Additionally, each strand is subdivided into specific curriculum outcomes. Three levels of cognitive domains are used: knowledge, application, and reasoning. Item selection committees design items that measure students’ abilities to respond to specific outcomes using all three levels.

Mathematics Grade 7 Assessment Targets (based on Priority Outcomes)		
Strands	GCO	Targeted Percentages
Numbers	Number	40%
Patterns & Relations	Patterns Variables & Equations	32%
Shape & Space	Measurement Transformations	16%
Statistics & Probability	Data Analysis Chance and Uncertainty	12%
Cognitive Processes	Knowledge	35%
	Applications	45%
	Reasoning	20%

For further information about **Specific Curriculum Outcomes** and **Priority Outcomes** for Grade 7 Mathematics see [Mathematics Grade 7 Curriculum](#) and [Prioritized Curriculum Middle School](#).