

Grade 7 Mathematics

Assessment Blueprint

The *Grade 7 Mathematic Assessment* consists of selected-response and short-answer items based on the commonalities between the *Mathematics Grade 7 Curriculum (priority)* and *Middle Block Mathematics Grade 7*. Students read the questions and respond to all items through 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 written and selected by a committee of New Brunswick educators.

New Brunswick provincial mathematic curriculum K – 9 is divided into 4 strands: Number, Statistics & Probability, Patterns & Relations, and Shape & Space. Additionally, each strand is subdivided into Big Ideas (General Curriculum Outcomes). Three levels of cognitive processes are used: knowledge, skills & concepts, and reasoning. Item selection committees design items that measure students’ skills (specific outcomes) using all three levels.

| Mathematics Grade 7 Assessment Targets | | |
|--|--------------------------------------|----------------------|
| Strands | Big Ideas (GCOs) | Targeted Percentages |
| Number | Number Sense Operations | 35% |
| Patterns & Relations | Algebra | 20% |
| Shape & Space* | Measurement | 10% |
| Statistics & Probability | Data Analysis Chance and Uncertainty | 35% |
| Cognitive Processes | Knowledge | 35% |
| | Skills & Concepts | 45% |
| | Reasoning | 20% |

*Note: Shape & Space will use Grade 6 Priority Outcomes due to a lack of commonalities in this strand for Grade 7.

For further information about Grade 7 Mathematics see the [Mathematics Grade 7 Curriculum](#), the [Mathematics Grade 7 Curriculum \(FI\)](#), or [Middle Block Mathematics Grade 7](#).