Assessment Specifications

Level 1 Mathematics and Statistics 2025

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General information

Domain:	Mathematics and Statistics
Standards:	91946, 91947
Assessment method:	Examination, end of year
Assessment medium:	Printed paper

Mathematics and Statistics subject page

National secondary examinations timetable

Information relating to all achievement standards

Candidates will be expected to demonstrate an understanding of the mathematical concepts, rather than directly transferring results from a graphing calculator. This may involve increased use of unknown constants.

Equipment required

Candidates must bring a ruler and an approved calculator.

Special assessment conditions

Refer to the NZQA website for further information:

Aromatawai special assessment conditions

Specific information for individual achievement standards

Standard:	91946
Title:	Interpret and apply mathematical and statistical information in context
Version:	3
Number of credits:	5

Candidates will be required to demonstrate interpretation and application of mathematical and statistical information in context.

The assessment will consist of a resource booklet and a question booklet. The Resource Booklet will comprise a range of data representations, which may include infographics, displays, and media articles.

Questions will relate to the data presented and will focus on:

- identifying information
- relating findings to evidence presented
- critically engaging with the quality, validity, limitations, or considerations of the information presented.

Resources will NOT be released prior to the examination.

Candidates must demonstrate contextualised mathematical and statistical literacy in all responses. Candidate responses may additionally be informed by contextual knowledge or personal worldviews.

Standard:	91947
Title:	Demonstrate mathematical reasoning
Version:	2
Number of credits:	5

The examination will be made up of three questions. Candidates will be given several problems and will be required to explain, with mathematical reasoning, how to work through them.

A formula sheet will be provided.

The questions will be drawn from the following aspects of number, algebra, measurement, and geometry and space.

Number and Algebra

- manipulating and simplifying expressions
- generalising properties of numbers and operations
- inequations
- linear and quadratic equations
- simultaneous linear equations with two unknowns
- optimal solutions
- relate graphs, tables, equations, and patterns
- relate rate of change to the gradient of a graph.

Measurement, and Geometry and Space

- Pythagoras' theorem in right-angled triangles in 2D and 3D situations
- trigonometric ratios in right-angled triangles in 2D and 3D situations
- properties of similar shapes
- surface area of prisms, pyramids, ones and spheres
- volume of pyramids, cones, spheres, and composite shapes including prisms.