

Achievement Standard

Subject Reference	Mathematics and Statistics 1.2		
Title	Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific		
Level	1	Credits	5
		Assessment	Internal
Subfield	Mathematics		
Domain	Mathematical Studies		
Status	Approved	Status date	December 2023
Planned review date	December 2028	Date version published	December 2023

Purpose Statement

Students are able to use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none"> Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific 	<ul style="list-style-type: none"> Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific by applying relational thinking 	<ul style="list-style-type: none"> Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific by applying extended abstract thinking

Explanatory Notes

- 1 *Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific* involves:
- using mathematical methods that are appropriate to the problems
 - communicating accurate mathematical information related to the context of the problem.

Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific by applying relational thinking involves:

- applying mathematical methods using logical connections
- communicating accurate mathematical information related to the context of the problem using appropriate mathematical statements.

Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific by applying extended abstract thinking involves:

- extending mathematical methods using logical connections to explore or solve a problem by considering limitations, assumptions, generalisations, or predictions.

2 *Aotearoa New Zealand or the Pacific* means Aotearoa New Zealand or the Pacific region, or a combination of both.

The problems must comprise subject matter that is related to life in Aotearoa New Zealand or the Pacific region.

3 *Mathematical methods* means four or more processes. These must come from at least two of number, algebra, measurement, or geometry and space.

4 *Accurate mathematical information* means correct numerical solutions with correct corresponding units.

5 *A logical connection* links one process to another.

6 Refer to the NCEA [glossary](#) for Māori, Pacific, and further subject-specific terms and concepts.

7 This achievement standard is derived from the Mathematics and Statistics Learning Area at Level 6 of *The New Zealand Curriculum: Learning Media*, Ministry of Education, 2007.

Replacement Information

This achievement standard, AS91944, AS91946, and AS91947 replaced AS91026-AS91038.

Quality Assurance

1 Schools and institutions must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.

2 Schools and institutions with consent to assess must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference 0233
