

Unpacking Co-requisite Outcomes: Numeracy Outcome 1

Numeracy: 32406, Apply mathematics and statistics in a range of everyday situations



Formulate mathematical and statistical approaches to solving problems in a range of everyday situations.

No Evidence Minimal Evidence **Weak Evidence** Sufficient Evidence Strong Evidence

Use mathematics and statistics to meet the numeracy demands of a range of everyday situations.

No Evidence **Minimal Evidence** Weak Evidence Sufficient Evidence Strong Evidence

Explain mathematical and statistical responses to situations.

No Evidence Minimal Evidence **Weak Evidence** Sufficient Evidence Strong Evidence

Result  Not achieved

Numeracy Outcome 1:

Formulate mathematical and statistical approaches to solving problems in a range of everyday situations.

This means that learners:

- determine the mathematics and/or statistics needed in a range of situations.
- formulate plans to use mathematics/statistics.
- select appropriate representations of the mathematics or statistics – e.g. graphs, tables, diagrams, equations, expressions.

Taken from [Numeracy Learning Matrix](#)

This resource should be read in conjunction with:

- [US32406 - Apply mathematics and statistics in a range of everyday situations](#)
- [Unpacking Numeracy](#)
- [NCEA Co-Requisite Learning Outcomes for Numeracy](#)

Examples of teaching strategies to support learning for Numeracy Outcome 1:

- Practice calculation strategies to solve a number problem in context.
 - [Working with real life problems requiring multiple steps](#)
 - [Sorted in Schools](#)
 - [NZAMT Numeracy Questions 2023](#)
- Explicitly teach how to apply a relation or linear function to solve a missing value in context.
 - [Plotting values based on a real-life situation](#)
- Practice classifying an object by its geometric properties, choosing a representation to match an object or structure, deciding on the best representation for a purpose, recognising and extending the symmetry of a design, and transforming a figure using a single enlargement, reflection, rotation, or translation.
- Practice choosing a system for location or movement that is appropriate to a context.
- Explicitly teach how to apply appropriate measurement techniques and units to solve problems.
 - [Measurement practice](#)
- Practice planning or validating part of a statistical enquiry and practice interpreting an everyday situation that involves elements of chance.
 - [Census At School](#)

For more numeracy strategies search: [Numeracy Resource Bank](#)