

<b>Title</b>	<b>Use formulae and equations to solve problems in the workplace</b>		
<b>Level</b>	<b>1</b>	<b>Credits</b>	<b>1</b>

<b>Purpose</b>	<p>People credited with this unit standard are able to use formulae and equations to solve problems in the workplace.</p> <p>This unit standard is designed to provide candidates with mathematical skills and knowledge relevant to workplaces in Aotearoa/New Zealand.</p>
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<b>Classification</b>	Mathematics > Algebra
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<b>Available grade</b>	Achieved
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## Guidance Information

- Assessment notes

Calculations and problems must be relevant to the context of the candidate's workplace. Candidate's evidence must be generated in the workplace and must specify the workplace context and the requirements for that workplace. Candidate's evidence must be verified as authentic by a supervisor, mentor, manager, subject matter expert, or trainer. This evidence may be collected over a period of time.

A problem refers to a typical workplace situation which must be solved using formulae and equations.

Candidates may use calculators, computers, or other technology.

It is not expected that candidates should work with algebraic fractions. Strategies for solving equations such as 'guess, check, and improve' are acceptable.
- Legislative requirements include:

Health and Safety at Work Act 2015.

## Outcomes and performance criteria

### Outcome 1

Use formulae and equations to solve problems in the workplace.

Range evidence of two problems solved using substitution into formula and two problems solved using linear equations is required.

### Performance criteria

- 1.1 Word formulae are identified in relation to the problems.

1.2 Methods chosen are appropriate to the problems.

1.3 Solutions are consistent with the problems.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	3 August 1995	31 December 2013
Revision	2	26 November 1996	31 December 2013
Revision	3	1 November 1999	31 December 2013
Review	4	9 December 2010	31 December 2018
Rollover	5	18 September 2014	31 December 2018
Rollover and Revision	6	16 June 2016	31 December 2021
Review	7	22 August 2019	31 December 2021

<b>Consent and Moderation Requirements (CMR) reference</b>	0226
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.