

Title	Describe and apply mathematical calculations for kitchen joinery work		
Level	4	Credits	5

Purpose	People credited with this standard are able to describe and apply mathematical calculations for kitchen joinery work.
----------------	---

Classification	Joinery > Joinery Operational Skills
-----------------------	--------------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation, standards, and guidelines relevant to this unit standard include:
 - Building Act 2004;
 - Construction Contracts Act 2002;
 - Fair Trading Act 1986;
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - Building Regulations 1992, available from www.legislation.govt.nz;
 - AS/NZS 4386.1:1996 *Domestic kitchen assemblies – kitchen units*, available from www.standards.govt.nz;
 - *The Absolutely Essential Health and Safety Toolkit for Small Construction Sites*, available from www.worksafe.govt.nz;
 - *New Zealand Certificate in Kitchen Joinery (Level 4) Specifications*; September 2020; available from qualifications@waihangaararau.nz, and any subsequent amendments and replacements.

- 2 Assessment

Evidence for this unit standard must reflect commercial competence; the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Evidence must also reflect commercial standards; the verbal and written information covering company policy, standard operating procedures and processes and job-specific instructions.

This unit standard must be assessed under the supervision of a commercially competent practitioner in workplace conditions that reflect:

- commercial standards, current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

3 Definitions

Conventions refer to a way in which something is normally done.

Kitchen joinery work refers to fixed cabinetry; including but not limited to kitchen, bathroom, laundry, storage solutions, wardrobes.

Workplace requirements refer to the documented procedures specific to a workplace that which sets set out the standard and the required practices of that workplace.

This may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets, material safety data sheets.

Outcomes and performance criteria

Outcome 1

Describe mathematical calculations for kitchen joinery work.

Performance criteria

- 1.1 Units of measurement are described in terms of how they apply to kitchen joinery work calculations.

Range linear, area, volume, weight.

- 1.2 Calculations are described in terms of how they apply to kitchen joinery work.

Range perimeter, circumference, length, area, volume, circular, radius vs diameter.

- 1.3 Percentages, fractions, ratios, and plan scales are described in terms of how they apply to kitchen joinery work calculations.

- 1.4 Conventions associated with the use of centres and spacing are described in terms of how they apply to kitchen joinery projects.

Outcome 2

Apply mathematical calculations for kitchen joinery work.

Performance criteria

- 2.1 Mathematical calculations are applied to kitchen joinery work in terms of one, two, and three-dimensional calculations.

Range lineal, square, cubic.

- 2.2 Mathematical calculations are applied to kitchen joinery work in terms of right-angles.

- 2.3 Quantities of materials for a kitchen joinery project are calculated in accordance with workplace requirements.

Planned review date	31 December 2028
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 June 2023	N/A

Consent and Moderation Requirements (CMR) reference	0073
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihangā Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@WaihangāAraRau.nz if you wish to suggest changes to the content of this unit standard.