

40294 Interpret measurements in a construction environment

Kaupae Level	2
Whiwhinga Credit	2
Whāinga Purpose	This skill standard recognises the skills to take and apply measurements in a construction environment. This skill standard contributes to qualifications designed for the construction environment.

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Take and record measurements for a construction task.	a. Components are measured using equipment and methods suitable to the task.
	b. Measurements are accurately taken and recorded to reflect the requirements of the task.
2. Read and apply measurements in a construction environment.	a. Relevant measurements for a construction task are identified.
	b. Relationships and comparisons between numbers are accurately stated in context of the construction task.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Candidate must be able to consistently take and apply measurements for familiar construction tasks in a construction environment.

A *construction environment* may be any environment involved in the modification, construction or maintenance of buildings, structures, or infrastructure assets.

Comparison refers to number comparison of two or more groups. For example, acceptable tolerances, temperature and drying times, information in manufacturers' specifications, actual measurements and working drawings.

Relationship refers to the connection between two numbers, for example, quantities and unit price, spreading rates, and ratios.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Taking measurements

- Linear measurements.
- Temperature.
- Time.
- Angles, pitch, slope.
- Use of equipment.
- Units of measurement.
- Converting measurements.
- Cumulative measurements.
- Rounding.
- Estimation.

Applying measurements

- Reading tables.
- Product Safety Data Sheets.
- Cutting lists.
- Order list and material list requirements.
- Comparison (numerical comparison of two or more groups).
- Relationship (between two numerical variables, such as ratios).

Project drawings

- Symbols, keys, scales and ratios.
- Drawing orientation and elevation.
- Identifying measurements, centres and spacings.

Rauemi | Resources

Programme Guidance available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Core Construction
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 November 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard and skill standard 40295 replaced unit standard 24378.		
Rā arotake Planned review date	31 December 2029		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihangaarau.nz to suggest changes to the content of this skill standard.