

Pāngarau

Unit standard	32412
Title	Te whakamahi pāngarau hei whakatutuki i ngā hiahia tātai o ngā pūāhua whai take / Use mathematics and statistics to meet the numeracy demands of a range of situations
Domain	[TBC]
Number of credits	10

There are two alternative methods of assessment for this standard, Option One or Option Two.

EITHER: OPTION ONE

Method of assessment	Common assessment activity (CAA)
Assessment medium	<ul style="list-style-type: none">• Online / web-based• Paper-based (by exception)
Period of assessment	20–24 September 2021
Session duration	60 minutes (but extra time allowed if necessary – see below)

Assessment format

A “common assessment activity” (CAA) is developed and marked by NZQA, and administered by a kura / tertiary provider in a single session on a date they are to nominate during the period of assessment specified above. The assessment is designed to be completed in 60 minutes by most ākonga, but kura may allow as much time as necessary for ākonga to complete the assessment in one session.

Ākonga will be required to respond to questions based on real-world contexts that relate to a range of experiences relevant to everyday life, such as home, whānau, workplace, community and personal activities and projects.

The questions will be presented in te reo Māori with a translation in English. Definitions of pāngarau terminology that may be unfamiliar to ākonga will be supplied, in te reo Māori, from the [Paekupu](#) glossary. Responses must use Māori language and terminology where this is appropriate, but ākonga will not be penalised for using English-language terms where they are not familiar with Māori terminology.

Questions will sample combinations of the four process ideas (outcomes) and seven content ideas identified in the Pāngarau Learning Matrix, and will require multiple-choice or short-answer responses.

Equipment required

Ākonga must have a ruler and a calculator. A standard (non-scientific or non-graphing) calculator will suffice, but any calculator on the [Approved Calculator List](#) may be used.

Conditions of assessment

Ākonga must complete their assessment individually under kaiako supervision, in accordance with the NCEA [Assessment and Examination Rules and Procedures](#). Ākonga are not permitted to access any resources other than those supplied in the assessment.

Other information

See at end of Option Two.

OR: OPTION TWO

Method of assessment	Portfolio
Assessment medium	Digital submission (PDF, and / or digital audio or video file)
Period of assessment	Kura must submit portfolios to NZQA by 24 September 2021

Assessment format

Ākonga will present a collection of naturally occurring evidence from activities relating to a range of situations relevant to their everyday life. The range of evidence included in the portfolio must meet the requirements of the performance criteria in all four outcomes in the standard:

All resource materials and tasks must be presented in te reo Māori.

Ākonga evidence must be in te reo Māori and include at least TWO of the following three forms: written, oral, or visual.

The activities must:

- be completed independently by the ākonga
- allow the ākonga to formulate a pāngarau approach to problem-solving in a given situation, making their own decisions about how they use the information supplied in order to do this
- provide opportunities for the ākonga to independently identify the relevant socio-cultural practices underpinning the situation
- allow the ākonga to provide evidence from each of the seven content ideas identified in the Pāngarau Learning Matrix (evidence from more than one content idea may come from a single activity)

Portfolio specifications

The evidence can be presented as a digital audio or video file, or as a PDF, or as a combination of both. (Paper-based evidence must be scanned and submitted as a PDF.)

A *Portfolio of Evidence Cover Sheet* must be completed by the kaiako for each ākonga portfolio submitted for assessment.

Conditions of Assessment

Ākonga must complete their work for assessment independently, in accordance with the NCEA [Assessment and Examination Rules and Procedures](#). A portfolio must be entirely the work of the ākonga, and the kaiako should take care to limit their discussion of and feedback on the work itself to avoid compromising the authenticity of the evidence presented by the ākonga and therefore the validity of the assessment.

Other information

As well as *Te Marautanga o Aotearoa*, assessors of this standard should be familiar with:

- The Unit Standard US32412
- The NCEA Pāngarau Learning Matrix

These and other documents can be found on the [Pāngarau](#) page of the [NCEA website](#).