



Australian Government

FSKNUM31 Apply a wide range of mathematical calculations for work

Release: 1

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Modification History

Release	Comments
Release 1	This streamlined version first released with <i>FSK Foundation Skills Training Package version 1.0</i> .

Application

This unit describes the skills and knowledge to extract, comprehend and analyse a broad range of mathematical information and complete complex mathematical tasks. This includes using rational and relevant irrational numbers and performing calculations required in specialist areas of mathematics applicable to the workplace.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 5 to undertake a vocational training pathway or workplace tasks.

This unit is designed for integration and contextualisation with vocational units to support achievement of vocational competency.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Numeracy

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Extract, comprehend and analyse mathematical information	1.1 Extract and analyse mathematical information that may be highly embedded in a broad range of workplace tasks and texts 1.2 Comprehend and use rational numbers 1.3 Comprehend and use relevant irrational numbers
2. Undertake complex mathematical calculations	2.1 Manipulate and simplify mathematical expressions 2.2 Perform calculations relevant to work involving rational and

Element	Performance Criteria
for workplace tasks	irrational numbers
3. Check and communicate results	3.1 Use estimation and assessment processes to check results 3.2 Report the result using specialised mathematical language and symbols appropriate for the task

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Writing		Records steps of calculation and result, uses symbolism appropriate to task
Technology		Uses scientific calculator

Mapping Information

Not applicable

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178>

Assessment Requirements for FSKNUM31 Apply a wide range of mathematical calculations for work

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Performance Evidence

Evidence of the ability to:

- perform a broad range of calculations using rational and irrational numbers.

Note: Where a specific volume and/or frequency is not specified, evidence must be provided at least once.

Knowledge Evidence

Evidence of the following knowledge must be demonstrated:

- irrational numbers relevant to work context.

Assessment Conditions

Assessment texts and tasks reflect those typically found in the workplace.

Individuals can access a broad range of support resources.

Culturally appropriate processes and techniques suited to the language, literacy and numeracy capacity of individuals and the work being performed must be used.

Reasonable adjustments can be made to ensure equity in assessment for people with disabilities.

Assessors must satisfy NVR/AQTF assessor requirements, have a sound knowledge of the ACSF and have demonstrable expertise in the vocational contextualisation and assessment of the core skill - numeracy.

Links

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