



Australian Government

FSKNUM30 Use common functions of a scientific calculator 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 use the common functions of a scientific calculator.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 4 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. Use the functions of a scientific calculator to solve mathematical calculations for workplace tasks	1.1 Locate required numerical information to perform tasks 1.2 Determine the order of operations and function keys necessary to solve mathematical calculation 1.2 Identify and use function keys on a scientific calculator
2. Apply processes to workplace tasks	2.1 Refer to estimations to check reasonableness of problem solving process 2.2 Use appropriate mathematical language, symbols and conventions to report results

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
		Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

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 FSKNUM30 Use common functions of a scientific calculator for work

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Performance Evidence

Evidence of the ability to:

- use common functions of a scientific calculator to perform a range of workplace calculations
- perform multistep calculations
- estimate to check reasonableness of answer.

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:

- order of operations for mathematical terms.

Assessment Conditions

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

Individuals can access a range of established 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.

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