Australian Government

FSKNUM031 Apply specialised mathematical calculations for work

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with FSK Foundation Skills Training Package Version 2.0.

Application

This unit describes the skills and knowledge to extract and analyse a range of complex mathematical information and complete specialised mathematical calculations and processes in workplace tasks. This includes extracting and analysing complex workplace mathematical information, using rational and relevant irrational numbers, and performing calculations from specialist areas of mathematics applicable to the workplace, and communicating workplace mathematical information.

An individual performing these tasks works autonomously and accesses and evaluates support from a broad range of sources as needed.

This unit applies to individuals who use, or are preparing to use, numeracy skills to complete workplace activities. This includes existing workers and individuals preparing for employment through vocational education and training. This unit should be integrated and contextualised with vocational training to support achievement of vocational competency.

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

This unit is aligned to, but does not fully address, the Australian Core Skills Framework (ACSF) numeracy core skill indicators .09, .10 and .11 at level 5 in the workplace and employment domain of communication.

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
Elements describe the	*Performance criteria describe the performance needed to*

Element	Performance Criteria
essential outcomes.	*demonstrate achievement of the element.*
1. Extract and analyse complex workplace mathematical information	1.1 Extract highly embedded specialised mathematical information from a range of complex workplace texts and tasks 1.2 Analyse and synthesise specialised mathematical information needed to complete workplace task 1.3 Incorporate information from other sources to inform and support analysis of the extracted information, where necessary
2. Use highly developed mathematical problem solving processes	2.1 Select method of solution from an expanded range of highly developed, specialised mathematical problem solving strategies and processes to complete workplace task 2..2 Estimate outcome of calculations related to using specialised mathematical problem solving strategies and processes to complete workplace task 2.3 Use specialised mathematical problem solving strategies and processes to perform workplace task 2.4 Check and reflect on mathematical problem solving processes and outcomes in relation to initial estimates and the workplace context
3. Communicate workplace mathematical information	3.1 Use formal, specialised and general mathematical representation to document and communicate mathematical thinking, problem solving process, outcomes and implications 3.2 Use specialised and general mathematical language to discuss, explain and interpret the processes, results and implications

Foundation Skills

This section describes language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Technology	• Uses a scientific calculator

Mapping Information

Supersedes and is equivalent to FSKNUM31 Apply a wide range of mathematical calculations for work.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178