



Australian Government

FSKNUM021 Apply an expanding range of arithmetical 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 evaluate mathematical information and undertake a range of arithmetical calculations, including with a range of rational numbers, including positive and negative numbers, powers and roots. It includes extracting and interpreting mathematical information, applying mathematical problem solving processes to complete workplace tasks, and communicating workplace mathematical information.

An individual performing these tasks works independently and uses support from a range of established resources.

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 aligned to, but does not fully address, the Australian Core Skills Framework (ACSF) numeracy core skill indicators .09, .10 and .11 at level 4 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Extract and interpret a range of mathematical	1.1 Extract a range of mathematical information embedded in

Element	Performance Criteria
information	workplace tasks and texts 1.2 Interpret a range of mathematical information embedded in workplace tasks and texts
2. Apply and use mathematical calculations involving multiple steps to complete workplace task	2.1 Select and use a range of mathematical problem solving strategies to undertake workplace task 2.2 Estimate outcome of calculations related to fractions, decimals, percentages, simple powers, common roots and positive and negative numbers to complete workplace task 2.3 Perform calculations with fractions, decimals, percentages, simple powers, common roots and positive and negative numbers to complete 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, informal and some specialised mathematical representation to document and communicate workplace calculation processes, results and implications 3.2 Use formal, informal and some specialised language to discuss and explain workplace calculation 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 FSKNUM21 Apply an expanding 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>