



Australian Government

Assessment Requirements for 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.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- perform multi-step mathematical problem solving processes to complete a complex workplace task including:
 - performing multi-step calculations with relevant positive and negative numbers using the four operations, including:
 - fractions, decimals and percentages
 - powers and roots
 - positive and negative numbers
 - making estimations to check problem solving outcomes of above calculations and determine appropriate accuracy required for task
 - evaluating mathematical processes used and outcomes obtained, and evaluating implications for workplace task.

In the course of the above the candidate must demonstrate use of relevant technology, such as calculators or spreadsheets.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- problem solving processes to solve workplace mathematical problems
- equivalent value of fractions, decimals and percentages
- powers and roots, and the relationship between powers and roots
- workplace application of negative numbers
- order of operations and use of brackets and parentheses
- estimation and assessment processes
- implications of calculations and results for workplace tasks

- specialised, formal and informal mathematical written and oral language and symbolism relevant to workplace calculations
- relevant technology, such as calculators or spreadsheets.
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Assessment Conditions

Competency is to be assessed in the workplace, a workplace simulated environment or a vocational training context.

Assistive technologies can be utilised to assist with oral and written communication.

Skills must be demonstrated using complex texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- a calculator
- own familiar support resources.

Assessors must:

- satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards, and
- have sound knowledge of the ACSF and performance features of the ACSF level being assessed, and
- have demonstrable expertise, knowledge and skills in the vocational contextualisation and assessment of the core skill, numeracy, and
- have completed the following or equivalent:
 - TAESS00009 Address Foundation Skills in Vocational Practice Skill Set; or
 - a higher level education qualification, such as:
 - TAE80113 Graduate Diploma of Adult Language, Literacy and Numeracy Practice (and its equivalent TAE70111); or
 - Bachelor of Education, Graduate Certificate or Graduate Diploma of Education, or higher. This may include qualifications relating to TESOL, adult education or vocational education.

Links

Companion Volume Implementation Guide is found on VETNet -

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