



Australian Government

FSKNUM14 Calculate with whole numbers and familiar fractions, decimals and percentages 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 interpret and calculate whole numbers, routine fractions, decimals and percentages.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 3 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. Identify and interpret routine mathematical information	1.1 Select and interpret mathematical information that may be partly embedded in routine workplace tasks and texts 1.2 Interpret and comprehend whole numbers and routine or familiar fractions, decimals and percentages including familiar rates
2. Undertake routine mathematical processes	2.1 Perform calculations which may involve a number of steps 2.2 Calculate with whole numbers and routine or familiar fractions, decimals and percentages 2.3 Convert between equivalent forms of fractions, decimals and

Element	Performance Criteria
	percentages 2.4 Apply order of operations to solve multi-step calculations 2.5 Apply problem solving strategies
3. Check and communicate results	3.1 Make estimations to check reasonableness of problem solving process, outcome and its appropriateness to the context and task 3.2 Use formal and informal mathematical language and symbolism to communicate the result of 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
Learning		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 FSKNUM14 Calculate with whole numbers and familiar fractions, decimals and percentages for work

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Performance Evidence

Evidence of the ability to:

- interpret and use common fractions, decimals and percentages in real situations
- choose the appropriate operations to solve real life mathematical problems
- perform calculations involving fractions, decimals and percentages.

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:

- place value and use of zero
- relationship between operations
- order of operations
- relationship between fractions, decimals and percentages.

Assessment Conditions

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

Individuals can access own familiar 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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