



Australian Government

FSKNUM023 Estimate, measure and calculate measurements 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 estimate and measure quantities, to convert units within the metric system and between metric and non-metric units, to calculate area and volume including compound shapes, and to use Pythagoras' theorem. It includes extracting and interpreting measurement information, applying problem solving processes to complete workplace measurement tasks, and communicating workplace measurement 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 complex workplace	1.1 Extract a range of measurement information embedded in workplace tasks and texts in order to complete workplace

Element	Performance Criteria
measurement information	measurement task 1.2 Interpret a range of measurement information embedded in workplace tasks and texts in order to complete workplace measurement task
2. Complete workplace measurement tasks	2.1 Select mathematical and problem solving strategies to undertake workplace measurement task 2.2 Estimate measurements and outcomes to complete workplace task 2.3 Select and use relevant measurement equipment to take accurate workplace measurements 2.4 Calculate with measurements to complete workplace task, including conversions of metric units 2.5 Check and reflect on mathematics used, outcomes, initial estimates and workplace implications using estimation and evaluation techniques
3. Communicate workplace measurement information	3.1 Use formal, informal and some specialised written mathematical representation to document, interpret and communicate workplace measurement processes, results and implications 3.2 Use formal, informal and some specialised mathematical language to discuss and explain workplace measurement 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
Learning	Sequencing multi-step calculations
Technology	Using a scientific calculator

Mapping Information

Supersedes and is equivalent to FSKNUM23 Estimate, measure and calculate measurements for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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