



Australian Government

**Assessment Requirements for FSKNUM023
Estimate, measure and calculate
measurements for work**

Release: 1

Assessment Requirements for FSKNUM023 Estimate, measure and calculate measurements for work

Modification History

| Release | Comments |
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| 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:

- extract and interpret metric and relevant non-metric measurement information and units of measurement embedded in a complex workplace text or task related to area and volume
- perform complex measurements to complete a workplace task, including:
 - identifying and selecting relevant measurement tools and equipment appropriate to the workplace task
 - estimating the expected outcome prior to undertaking measurement and calculation
 - performing calculations with measurements, including:
 - converting between metric units
 - converting between metric and routine non-metric units
 - calculating the sides of right angle triangles using Pythagoras' theorem
 - 2D shapes, one of which must be a compound shape, using relevant routine formulas compound shape
 - calculating the volume of prisms and compound 3D shapes using relevant routine formulas compound 3D shapes.

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:

- purpose of workplace measurement relevant to meeting workplace objectives
- purpose and meaning of metric and non-metric unit prefixes
- purpose, function, selection, set up and safe use of routine measurement tools and equipment
- methods to estimate, measure and calculate measurements

- names and basic properties of a range of 2D and 3D shapes
- relevant routine formulae to calculate areas and volumes
- purpose and application of Pythagoras' theorem
- mathematical symbols relevant to the task undertaken in the performance evidence
- estimation and evaluation processes
- implications of measurements, calculations and results for workplace tasks
- specialised, formal and informal mathematical written and oral language and symbolism of measurement
- 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
- measuring equipment relevant to workplace
- range of established 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>

