



Australian Government

FSKNUM010 Use common shapes for work

Release: 1

FSKNUM010 Use common shapes for work

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 required to use common two dimensional (2D) shapes and some three dimensional (3D) shapes in familiar workplace tasks and texts. It includes identifying and interpreting shape information, performing simple mathematical processes with shapes and communicating familiar shape information.

An individual performing these tasks may work with an expert or mentor where support is available, if requested.

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.

The 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 2 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. Identify common shapes	1.1 Identify and interpret common 2D shapes partially embedded in familiar workplace tasks and texts 1.2 Identify and interpret some common 3D shapes partially

Element	Performance Criteria
	embedded in familiar workplace tasks and texts
2. Use familiar shape-based mathematical processes	2.1 Select familiar shape-based mathematical process relevant to workplace task 2.2 Compare common 2D and some 3D workplace shapes and objects to perform explicit workplace task involving more than one familiar step 2.3 Group common 2D and some 3D shapes and objects to perform explicit workplace task involving more than one familiar step 2.4 Use simple drawing tools to represent common 2D workplace shapes 2.5 Perform reasonableness check of familiar shape-based mathematical process and outcome in relation to workplace context
3. Communicate common shape information	3.1 Use informal and some formal mathematical written representation to write common shape-based mathematical process information in simple and familiar workplace texts and tasks 3.2 Use informal and some formal mathematical oral language to discuss common shape-based mathematical process information in simple and familiar workplace tasks and texts

Foundation Skills

This section describes language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Mapping Information

Supersedes and is equivalent to FSKNUM10 Identify and describe common 2D and some 3D shapes for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for FSKNUM010 Use common shapes for work

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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:

- identify common shapes in a workplace text and use familiar mathematical processes to perform a workplace task using at least four of the following shapes (including at least one 3D shape):
 - square
 - rectangle
 - triangle
 - circle
 - cube
 - sphere
 - cylinder.

In the course of the above the candidate must demonstrate use of relevant technology and tools.

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:

- relationship between common 3D shapes and nets
- features of common 2D and 3D shapes
- approaches and language to identify common 2D shapes and some common 3D shapes in common objects
- techniques to draw and construct common 2D and 3D shapes.
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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 simple texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- an expert or mentor to provide support to learner if requested
- materials to draw and construct shapes for familiar workplace tasks
- sketches or nets required for familiar workplace tasks.

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.

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