Australian Government

FSKNUM024 Use geometry to draw 2D shapes and construct 3D shapes for work

Release: 1

FSKNUM024 Use geometry to draw 2D shapes and construct 3D 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 to use angle properties and symmetry to analyse and draw two dimensional (2D) shapes and construct three dimensional (3D) shapes for workplace practices. It includes extracting and interpreting shape and angle information, completing workplace tasks with shapes, and communicating workplace mathematical 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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Extract and interpret workplace shape	1.1 Extract and interpret a range of 2D and 3D shapes embedded in a range of complex workplace tasks and texts to complete workplace

Element	Performance Criteria
information	task 1.2 Extract and interpret angle and symmetry properties embedded in a range of complex workplace tasks and texts
2. Complete workplace tasks with shapes	2.1 Select mathematical and problem solving strategies to undertake workplace task 2.2 Select relevant tools and equipment to draw and construct angles and shapes 2.3 Draw, estimate and measure to create 2D shapes for work using drawing tools or software 2.4 Draw, estimate and measure to construct 3D shapes for work using drawing tools or software 2.5 Check and reflect on mathematics used, outcomes, and workplace implications using estimation and evaluation techniques
3. Communicate workplace shape information	3.1 Use formal, informal and some specialised written mathematical representation to document, interpret and communicate about geometry and shapes in workplace processes, results and implications 3.2 Use formal, informal and some specialised mathematical language about geometry and shape to discuss and explain workplace 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.

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

Mapping Information

Supersedes and is equivalent to FSKNUM24 Use geometry to draw 2D shapes and construct 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

PwC's Skills for Australia