FSKNUM24 Use geometry to draw 2D shapes and construct 3D shapes for work

Release: 1

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Modification History

Release	Comments
Release 1	This streamlined version first released with *FSK Foundation Skills Training Package version 1.0.*

Application

This unit describes the skills and knowledge to use angle properties, symmetry and similarity to analyse and draw 2D shapes and construct 3D shapes for workplace practices.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 4 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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Identify relevant shapes in a work context	1.1 Identify a range of 2D shapes and 3D shapes and their uses in work contexts 1.2 Name and describe features of 2D and 3D shapes
2. Identify, draw and measure angles and calculate angle sizes	2.1 Identify types of angles in 2D and 3D shapes 2.2 Draw, estimate and measure angles using geometric instruments 2.3 Name and identify angle properties of 2D shapes 2.4 Use angle properties to evaluate unknown angles in shapes
3. Identify and use symmetry, and similarity properties of shapes	3.1 Apply properties of perpendicular and parallel lines to shapes 3.2 Demonstrate understanding and use of symmetry 3.3 Demonstrate understanding and use of similarity
4. Draw 2D shapes and construct 3D shapes for work	4.1 Identify the workplace task and mathematical processes required 4.2 Draw 2D shapes for work 4.3 Construct 3D shapes for work 4.4 Review and check the outcomes 4.5 Use specialised mathematical language and symbols appropriate for 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
		• Foundation skills essential to performance are explicit in the performance criteria of the unit of competency.

Mapping Information

Not applicable

Links

Companion volumes from the IBSA website - http://www.ibsa.org.au