



Australian Government

FSKNUM029 Use introductory graphical techniques 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 use Cartesian coordinates to graph straight lines and to use straight line graphs in practical workplace situations. It includes extracting and interpreting information relevant to linear relationships, using linear equations and graphs, and communicating 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 information relevant to linear relationships in the workplace	1.1 Identify and interpret mathematical information and measures, quantities and/or variables to be analysed and evaluated using linear graphical analysis 1.2 Identify the appropriate techniques to interpret mathematical

Element	Performance Criteria
	information relevant to undertake linear relationships embedded in workplace tasks and texts to complete workplace task
2. Use linear equations and their graphs	2.1 Select and use a range of algebraic, graphical and problem solving strategies to undertake workplace task 2.2 Estimate outcome of the analysis related to the application of the routine linear graphical analysis to the workplace task 2.3 Identify and model simple workplace situations involving linear relationships by drawing Cartesian coordinate graphs 2.4 Solve and interpret simple linear equations graphically 2.5 Check and reflect on mathematics used, outcomes, and workplace and real-world implications
3. Communicate information from graphical analysis	3.1 Use formal, informal and some specialised written mathematical representation to document, interpret and communicate workplace graphical processes, results and implications 3.2 Use formal, informal and some specialised mathematical language to discuss and explain workplace graphical 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 FSKNUM29 Use introductory graphical techniques for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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