



Australian Government

FSKNUM034 Use and apply concepts of probability 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 calculate and interpret probability events and the outcomes associated with numerical and qualitative data. It includes extracting and analysing information relevant to probability events, calculating complex probabilities, and communicating probability information.

An individual performing these tasks works autonomously and accesses and evaluates support from a broad range of sources as needed.

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 5 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 analyse information relevant to probability	1.1 Extract highly embedded mathematical information related to probability from a broad range of complex workplace texts and tasks 1.2 Analyse and synthesise information related to probability

Element	Performance Criteria
	required to complete workplace task 1.3 Incorporate information from other sources to inform and support analysis of the extracted information, where necessary
2. Calculate complex probabilities for workplace tasks	2.1 Select method of solution from an expanded range of highly developed mathematical problem solving strategies and processes to complete workplace task 2.2 Identify workplace task/event requiring probability calculation and estimate probability 2.3 Conduct experiments and display results 2.4 Calculate experimental probabilities of single events and simple multiple events 2.5 Calculate theoretical probabilities of single events and simple multiple events 2.6 Check and reflect on mathematics used, outcomes, and workplace implications of findings using evaluation techniques
3. Communicate probability	3.1 Use formal and specialised written mathematical representation and symbolism to document, interpret and communicate mathematical thinking, problem solving process, outcomes and implications 3.2 Use specialised mathematical and general language to discuss, explain and interpret the mathematical 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 FSKNUM34 Use and apply concepts of probability for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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