



Australian Government

FSKNUM34 Use and apply concepts of probability for work

Release: 1

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Modification History

Release	Comments
Release 1	This streamlined version first released with <i>FSK Foundation Skills Training Package version 1.0</i> .

Application

This unit describes the skills and knowledge to calculate and interpret probability events and the outcomes associated with numerical and qualitative data.

This unit applies to individuals who need numeracy skills at Australian Core Skills Framework (ACSF) level 5 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Range of Conditions section.</i>
1. Demonstrate understanding of the concepts of chance and probability	1.1 Demonstrate understanding of the concepts and terminology of probability and chance 1.2 Estimate and interpret the outcomes of chance events in both numerical and qualitative terms
2. Calculate simple probabilities	2.1 Conduct experiments and display results 2.2 Calculate experimental probabilities of single events and simple multiple events

Element	Performance Criteria
	2.3 Calculate theoretical probabilities of single events and simple multiple events 2.4 Explain and record results using everyday and mathematical language and symbols

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 this unit of competency.

Mapping Information

Not applicable

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FSKNUM34 Use and apply concepts of probability for work

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Performance Evidence

Evidence of the ability to:

- evaluate the probability of events
- calculate theoretical probabilities
- analyse the difference between theoretical and experimental probabilities associated with workplace problems.

Note: Where a specific volume and/or frequency is not specified, evidence must be provided at least once.

Knowledge Evidence

Evidence of the following knowledge must be demonstrated:

- range of probability
- mutually exclusive events.

Assessment Conditions

Assessment texts and tasks reflect those typically found in the workplace.

Individuals can access a broad range of support resources.

Culturally appropriate processes and techniques suited to the language, literacy and numeracy capacity of individuals and the work being performed must be used.

Reasonable adjustments can be made to ensure equity in assessment for people with disabilities.

Assessors must satisfy NVR/AQTF assessor requirements, have a sound knowledge of the ACSF and have demonstrable expertise in the vocational contextualisation and assessment of the core skill - numeracy.

Links

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