



Australian Government

FSKNUM22 Use and apply ratios, rates and proportions 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 apply and solve problems involving rates, ratios and proportions.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identifies ratios, rates and proportions	1.1 Extract information regarding ratios, rates and proportions from a range of workplace tasks and texts 1.2 Analyse mathematical information related to ratios, rate and proportions
2. Undertake mathematical calculations involving ratios, rates and proportions	2.1 Use problem solving processes to undertake the task 2.2 Simplify equivalent ratios and rates 2.3 Calculate quantities using ratios, rates and proportions 2.4 Construct graphs, charts or tables to represent ratios, rates and proportions

Element	Performance Criteria
3. Check and communicate results	3.1 Review and check the outcomes 3.2 Record the information using 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
Learning		Plans and adjusts processes to achieve results

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 FSKNUM22 Use and apply ratios, rates and proportions for work

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Performance Evidence

Evidence of the ability to:

- simplify ratios and rates
- calculate using ratios, rates and proportions.

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:

- different representation of ratios and rates
- appropriate language and symbols to interpret and represent ratios, rates and proportions.

Assessment Conditions

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

Individuals can access a range of established 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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