



Australian Government

FSKNUM022 Use ratios, rates and proportions for complex workplace tasks

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 required to solve problems and calculate with rates, ratios and proportions. It includes extracting and interpreting ratio, rate and proportional information, applying problem solving processes to complete workplace tasks, and communicating workplace mathematical 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 ratios, rates and	1.1 Extract ratios, rates and proportional reasoning information embedded in a range of workplace tasks and texts

Element	Performance Criteria
proportional information	1.2 Interpret ratios, rates and proportional reasoning information embedded in a range of workplace tasks and texts
2. Apply a range of mathematical problem solving processes involving ratios, rates and proportions to complete workplace task	2.1 Select and use a range of mathematical and problem solving strategies to undertake workplace task 2.2 Estimate outcome of calculations related to ratios, rates and proportions to complete workplace task 2.3 Perform calculations with ratios, rates and proportions in mathematical processes to solve workplace problems 2.4 Check and reflect on mathematical problem solving processes and outcomes in relation to initial estimates and the workplace context
3. Communicate workplace ratio, rate and proportion information	3.1 Use formal, informal and some specialised mathematical representation to document and communicate workplace ratio, rate and proportional reasoning processes, results and implications 3.2 Use formal, informal and some specialised mathematical language to discuss and explain workplace ratio, rate and proportional reasoning 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 FSKNUM22 Use and apply ratios, rates and proportions for work.

Links

Companion Volume Implementation Guide is found on VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178>