



Australian Government

FSKNUM030 Use common functions of a scientific calculator for work

Release: 1

FSKNUM030 Use common functions of a scientific calculator for work

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 the routine functions of a scientific calculator to undertake mathematical calculations for workplace tasks. Mathematical calculations include working with a range of rational numbers, including positive and negative numbers, and powers and roots, rates and ratios.

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 mathematical information relevant to workplace	1.1 Identify mathematical problem in workplace task requiring solution with a scientific calculator

Element	Performance Criteria
calculations	1.2 Extract and interpret a range of mathematical information relevant to calculations embedded in workplace tasks and texts 1.3 Identify required function keys on scientific calculator necessary to solve mathematical calculation
2. Solve mathematical calculations with a scientific calculator	2.1 Select and use a range of mathematical problem solving strategies to undertake workplace task 2.2 Estimate outcome of calculations to complete workplace task 2.3 Perform a range of multistep calculations using a number of different function keys on a scientific calculator to complete workplace task 2.4 Check and reflect on mathematical problem solving processes and outcomes in relation to initial estimates and the workplace context
3. Communicate calculation information	3.1 Use formal, informal and some specialised mathematical representation to document and communicate workplace calculation processes, results and implications 3.2 Use formal, informal and some specialised mathematical language to discuss and explain workplace calculation 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 FSKNUM30 Use common functions of a scientific calculator for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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