



**Australian Government**

# **FSKNUM21 Apply an expanding range of mathematical calculations for work**

**Release: 1**

## FSKNUM21 Apply an expanding range of mathematical calculations for work

### 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 extract and evaluate mathematical information and make a range of calculations including positive and negative numbers, rates and ratios, and powers and roots.

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. Extract and interpret mathematical information               | 1.1 Extract mathematical information embedded in a range of workplace tasks and texts<br>1.2 Interpret and comprehend mathematical information           |
| 2. Undertake mathematical calculations involving multiple steps | 2.1 Select from and use a range of mathematical and problem solving processes<br>2.2 Flexibly use different forms of fractions, decimals and percentages |

| Element                          | Performance Criteria                                                                                                                                                     |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | 2.3 Calculate with positive and negative numbers<br>2.4 Express numbers as powers and roots and use in calculations<br>2.5 Calculate using routine formulas              |
| 3. Check and communicate results | 3.1 Use estimation and assessment processes to check outcome<br>3.2 Use mathematical language to discuss and explain the processes, results and implications of the task |

## 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                                                                                                                 |
|------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Writing    |                      | <ul style="list-style-type: none"><li>Records steps of calculation and result, uses symbolism appropriate to task</li></ul> |
| Technology |                      | <ul style="list-style-type: none"><li>Uses a scientific calculator</li></ul>                                                |

## 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>