



Australian Government

AURAF A001 Use numbers in an automotive workplace

AURAFA001 Use numbers in an automotive workplace

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to make basic mathematical measurements and calculations relating to vehicle inspection, service and repairs. It includes undertaking calculations to inform parts and labour quotations and the completion of other automotive workplace documentation.

It applies to those required to apply entry-level proficiency in numerically orientated problem-solving skills.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Common

Unit Sector

Foundation Skills

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Estimate and make measurements for work	1.1 Requirements for measurements are identified from task instructions 1.2 Numerical information in automotive workplace texts and tasks is identified 1.3 Workplace measuring equipment and operations appropriate to

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
2. Undertake mathematical calculations in workplace activities	<p><i>text and task</i> are identified and selected</p> <p>1.4 Accurate measurements are made according to task requirements and workplace procedures</p> <p>2.1 Procedures are established for recording numerical information or interpreting measurement information relating to automotive inspection, service or repair</p> <p>2.2 <i>Calculations</i> using required mathematical operations are undertaken as required</p> <p>2.3 Conversions between units of measurement are undertaken as required</p> <p>2.4 Problem solving processes are used to resolve measurement and calculation tasks</p>
3. Check and communicate results	<p>3.1 Measurement and calculation outcomes are reviewed and checked</p> <p>3.2 Final calculations and numerical information are documented according to workplace procedures and using mathematical language and symbols appropriate for the task</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Writing skills to:	<ul style="list-style-type: none"> legibly and accurately enter information and complete workplace documentation.
Numeracy skills to:	<ul style="list-style-type: none"> fill out workplace documentation, such as daily time sheets and repair work orders.
Technology skills to:	<ul style="list-style-type: none"> use calculators.

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<p><i>Text and task</i> must include one of the following:</p>	<ul style="list-style-type: none"> • text: <ul style="list-style-type: none"> • repair work orders and job cards • time sheets • work schedules • material and part requisitions • repair quotations • stock records • supply quotations • task: <ul style="list-style-type: none"> • estimating resource or time requirements • estimating and adjusting equipment and machinery settings • sourcing numerical information from workshop service manuals and vehicle repair information.
<p><i>Calculations</i> must include:</p>	<ul style="list-style-type: none"> • using simple mathematical operations involving automotive data and equipment, with or without the assistance of a calculator and involving: <ul style="list-style-type: none"> • addition • subtraction • multiplication • division • whole numbers, fractions and percentages.

Unit Mapping Information

Equivalent to AURAFA2001 Use numbers in an automotive workplace

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>