

1. Title	Master simple numerical and graphical data
2. Code	EMELDE109A
3. Range	Use integers and simple decimals for calculations and master simple numerical and graphical data for general calculations and analysis relevant to electrical and mechanical work.
4. Level	1
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Simple calculations in electrical and mechanical engineering ♦ Understand simple calculations in electrical and mechanical engineering such as:</p> <ul style="list-style-type: none"> • Use of function keys of calculators • Calculations of decimals, fractions and proportions • Area, diameter and volume calculations for various kinds of geometric figures • Basic algebra • Basic trigonometry <p>6.2 Master data or charts ♦ Use data to draw simple charts and do the calculations. The charts include:</p> <ul style="list-style-type: none"> • Line chart • Bar chart • Horizontal bar chart • Pie chart
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to use simple calculations in electrical and mechanical engineering to create charts.</p>
8. Remarks	This unit of competency is applicable to new entrants of electrical engineering services.