|  |  |
| --- | --- |
| Title | **Apply basic numeracy skills in different life contexts** |
| Level | **1** | **Credits** | **4** |

|  |  |
| --- | --- |
| Purpose | This competency standard is intended to assist people in applying basic numeracy skills in different life contexts. People holding credit for this competency standard are able to: Apply knowledge and conventions of common shapes to represent real life objects; Measure materials or objects; perform basic calculations associated with money, and time; use and create tables and graphs to represent and interpret public information; and apply simple formulae to solve arithmetic problems in real life contexts. |

|  |  |
| --- | --- |
| Classification ISCED | 0713 Electricity and energy |

|  |  |
| --- | --- |
| Available grade | Competent / Not yet competent |

|  |  |
| --- | --- |
| Modification history | N/A |

|  |  |  |
| --- | --- | --- |
| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **F1:** **Apply knowledge and conventions of common shapes to represent real life objects** | **Trainee will be able to:****P1-** Identify and name common two and three-dimensional shapes**P2-** Represent two and three-dimensional shapes and objects in diagrammatic form **P3-** Assemble simple three-dimensional objects | **K1-** Types and terminology of common shapes**K2-** Differentiation between two and three dimensional shapes / objects**K3-** Differentiation between two and three dimensional shapes / objects |
| **F2:** **Measure materials or objects** | **Trainee will be able to:****P1-** Identify and use measuring instruments**P2-** Apply simple formulae to calculate area and volume of regular shapes | **K1-** Types and purpose of measuring instruments**K2-** Units of measurement and abbreviations |
| **F3:** **Perform basic calculations associated with money, and time** | **Trainee will be able to:****P1-** Perform simple calculations involving time**P2-** Convert fractions, decimals, and percentages **P3-** Perform simple calculations involving money | **K1-** Rounding techniques**K2-** Types of fractions**K3-** Rounding techniques |

|  |  |  |
| --- | --- | --- |
| **F4:** **Use and create simple tables and graphs to represent and interpret public information** | **Trainee will be able to:****P1-** Identify and interpret key features of everyday tables and graphs**P2-** Collect data in a table**P3-** sort data in a table**P4-** Record data in a table**P5-** Construct and label simple graphs | **K1-** Different types of simple tables and graphs**K2-** Preparation of basic data, tables & graphs**K3-** Meaning of graphs, such as increasing, decreasing, and constant value |
| **F5:****Apply simple formulae to solve arithmetic problems in real life contexts** | **Trainee will be able to:****P1-** Use simple formulae and algebraic expressions**P2-** Verify solutions to simple arithmetic problems | **K1-** Interpretation of simple formula & algebraic expression**K2-** Arithmetic problems and solutions |