

## **GENERAL EDUCATION AND TRAINING CERTIFICATE**

## **NQF LEVEL 1**

## **ABET LEVEL 4 SUMMATIVE ASSESSMENT**

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| **LEARNING AREA** | **:** | **MATHEMATICS AND MATHEMATICAL SCIENCES** |
| **CODE** | **:** | **MMSC4** |
| **TOOL** | **:** | **ASSIGNMENT** |
| **TIME** | **:** | **TWO WEEKS** |
| **MARKS** | **:** | **50** |

**This assessment tool consists of 4 pages.**

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| **INSTRUCTION AND INFORMATION FOR THE TEACHER** |  |  |

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| 1. | This assignment is based on Unit Standards ID 7453 and can be given while the Unit Standards title is taught. |  |  |

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| 2. | SECTION A is a group activity and SECTION B is an individual activity. |  |  |

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| 3. | The principle of consistence accuracy when marking (CA marks) should be applied. |  |  |

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| 4. | After the groups have completed SECTION A, learners should do SECTION B individually. |  |  |

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| 5. | Section B MUST is done under controlled situation. |

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| **SECTION A** |  |  |

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| * Divide in groups of 2- 3 * Each group must work out the sums on the answer sheet together. |  |  |

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| **ACTIVITY 1** |  |  |

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| --- | --- | --- | --- |
| 1.1 | 🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.2 |  | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.3 | 🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.4 | 🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.5 | 🗸 | Correct answer | (1) |

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| **ACTIVITY 2** |  |  |

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| --- | --- | --- | --- |
| 2.1 | 🗸🗸🗸 | 1 mark for each term | (3) |

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| --- | --- | --- | --- |
| 2.2 | 🗸🗸  = | 1 mark for two terms | (2) |

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| 2.3 | )() )  🗸  🗸🗸 | 1 mark for simplification  1 mark for each term | (2) |

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| **ACTIVITY 3** |  |  |

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| 3.1 | 5( | 1 mark for common factor and  I mark for bracket | (2) |

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| --- | --- | --- | --- |
| 3.2 | (🗸🗸 | 1mark for each bracket | (2) |

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| --- | --- | --- | --- |
| 3.3 | = (  🗸🗸 | 1mark for each bracket | (2) |

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| **ACTIVITY 4** |  |  |

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| 4.1 | 🗸 | 1 mark for each value of x | (2) |

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| 4.2 | 🗸  🗸 | 1 mark formula  1 mark for correct answer | (2) |

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| 4.3 | 1  🗸 | 1 mark for the answer  1 mark for correct diagram | (3) |

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|  |  |  |  | **[25]** |

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| **SECTION B** |  |  |

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| **INDIVIDUAL WORK** |  |  |

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| **ACTIVITY 1** |  |  |

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| The following expression in x given : y |  |  |

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| 1.1 | 5🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.2 | 4🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.3 | 3🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 1.4 | 🗸 | Correct answer | (1) |

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| 1.5 | (a) Binomial🗸  (b) trinomial🗸 | Correct answers | (2) |

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| **ACTIVITY 2** |  |  |

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| --- | --- | --- | --- |
| 2.1 | =🗸 | Correct answer | (1) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2.2 |  | Correct answer | (1) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2.3 | 🗸 | Correct answer | (1) |

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| --- | --- | --- | --- |
| 2.4 | 🗸🗸 | Subtraction  1 mark for each correct answer | (2) |

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| **ACTIVITY 3** |  |  |

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| 3.1 | 🗸  Thandi scored 2×5= 10 goals🗸 | 1 mark for formula  1 mark for Simplification  1 mark for correct answer | (3) |

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| --- | --- | --- | --- |
| 3.2 | Let the width be  The length is  Perimeter =  🗸  Breadth = / cm  Length = cm | 1mark for correct equation  1 mark for Simplification  1 mark for correct breadth  1 mark for correct length | (4) |

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| 3.3.1 | 🗸  🗸 | 1 mark for Simplification  1 mark for correct answer | (2) |

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| --- | --- | --- | --- |
| 3.3.2 | 🗸 | 1 mark for correct answer | (1) |

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| 3.4 | 🗸 | I mark for substitution  1 mark for correct answer | (2) |

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| 3.5 |  | 1 mark for correct answer | (1) |

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| 3.6 |  | 1 mark for correct answer | (1)  **[25]** |

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|  | **TOTAL:** |  | **50** |