

## **GENERAL EDUCATION AND TRAINING CERTIFICATE**

## **NQF LEVEL 1**

## **ABET LEVEL 4 SITE-BASED ASSESSMENT**

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

**This assessment tool consists of 5 pages and 1 addendum.**

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| **INSTRUCTIONS AND INFORMATION** |  |  |

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| 1. | This assignment is based on unit standard ID7453 and ID 7464 and can be given while the unit standards title is taught. |  |  |

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| **QUESTION 1** |  |  |

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| 1.1 | 1.1.1 | ✓ | Correct answer | (1) |

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|  | 1.1.2 | Decreasing✓ | Correct answer | (1) |

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|  | 1.1.3 | Parallel✓ | Correct answer | (1) |

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| 1.2 | 1.2.1 | Convert *litres* =1 875 cubic metres. | Correct substitution  Correct answer | (2) |

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| 1.2 | 1.2.2 | V=  = | Correct substitution  Correct answer | (2) |

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|  | 1.2.3 | ✓  ✓  Note:  w | Correct substitution  Correct answer | (2) |

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| 1.3 | Time: 2 *minute* and 32, 3 *seconds* = 152,1 *seconds*  ✓ | Correct conversion  Correct substitution  Correct answer with units | (3)  **[12]** |

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| **QUESTION 2** |  |  |

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| 2.1 | 2.1.1 | and Q | Correct co-ordinates | (2) |

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|  | 2.1.2 | and | Correct co-ordinates | (2) |

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|  | 2.1.3 | Reflection ; on/about/along the axis | Correct co-ordinates | (2) |

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|  |  |  | 1  2  3  4  5  6  7  8  9  **Y**  1  2  3  4  5  0  -1  -2  -3  -4  **X**  **A** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | (4) |

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|  | 2.1.5 | Perimeter of FIGURE A = *+*++  *++*  +++  = 36 | correct substitution correct answer | (2) |
|  | 2.1.6 | Area of FIGURE  Area of increased FIGURE = 10  ✓ | correct substitution correct answer | (2)  **[14]** |

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| **QUESTION 3** |  |  |

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| 3.1 | 3.1.1 | *+* +✓  ++ | Correct order | (2) |

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|  | 3.1.2 | Polynomial✓ | Correct answer | (1) |

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|  | 3.1.3 | 7✓ | Correct answer | (1) |

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|  | 3.1.4 | ++  +✓  ++  ✓ | Correct substitution  Correct answer | (3) |

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| 3.2 | 3.2.1 |  | Correct substitution  Correct answer | (2) |

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|  | 3.2.2 |  | Correct substitution  Correct simplification  Correct answer | (3) |

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|  | 3.2.3 |  | Correct substitution  Correct simplification  Correct answer | (3) |

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| 3.3 | 3.3.1 |  | Correct answer | (1) |

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|  | 3.3.2 |  | Correct answer | (1) |

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|  | 3.3.3 | or | Correct expression | (1) |

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|  | 3.3.4 |  | Correct expression | (1) |

✓

✓

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| 3.4 | 3.4.1 |  | Correct drawing correct points | (2) |

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|  | 3.4.2 | ✓  ✓    2 | Correct drawing correct points | (2) |

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| 3.5 |  |  | (1)  **[24]** |

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

**ADDENDUM**

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| **NAME AND SURNAME:** |  |
| **NAME OF CLC** |  |

**QUESTION 2.1.5**

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|  |  | 1  2  3  4  5  6  7  8  9  **Y**  -1  -2  -3  -4  -5  0  1  2  3  4  **X**  **Figure A**  **N**  **O**  **P**  **Q**  **R**  **M** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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