

## **GENERAL EDUCATION AND TRAINING CERTIFICATE**

## **NQF LEVEL 1**

## **AET 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 4 pages.**

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| **INSTRUCTIONS AND INFORMATION FOR THE TEACHER** |  |  |

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| 1. | This assignment is based on unit standard ID7452 and ID 7464 and can given while the units standard 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 |  | Correct points | (2) |

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|  | 1.1.3 | Between point B to C | Correct points | (1) |

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|  | 1.1.4 | Percy was stationery for:  400 min – 100min = minutes  In  Percy was stationery/not cycling for | 300  1mark for 5 | (3) |

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|  | 1.1.5 | Converting | Correct conversion of minutes to hours  Correct substitution  Correct answer with units | (3) |

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|  | 1.1.6 | Total minutes  He will arrive at 16:50  OR  600min =10 hours  49,8min 0,83hours  He will arrive at 16:50 | Correct total of time 650 minutes  1 mark for  2 marks for correct answer  Accept words Ten minutes to five o’clock | (4) |

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|  | 1.1.7 | In minutes | Correct substitution  Correct answer  Correct conversion to minutes | (4)  **[18]** |

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| **QUESTION 2** |  |  |

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| 2.1 | 2.1.1 | Shop A: Cost  OR  .  Shop B: Cost  OR  . | Correct formula  Correct formula | (4) |

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|  | 2.1.2 | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Days** | 0 | 2 | 6 | 8 | 10 | 14 | | **Shop A** | 250 | 300 | 400 | 450 | 500 | 600 | | **Shop B** | 350 | 380 | 440 | 470 | 500 | 560 | | For 400 and 450  For 500 and 600  For 440 and 470  For 500 and 560 | (4) |

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| 2.1.3 | Shop A  Shop B  for labelling Shop **A;** for labelling Shop B  for plotting points for Shop **A;**  for plotting points for Shop B  for labelling axes |  | (5) |

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|  | 2.1.4 | See Letter C on the graph and dotted line | Correct indication of the letter C on the graph and  Dotted line | (2) |

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|  | 2.1.5 |  | Correct co-ordinates | (2) |

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|  | 2.1.6 | Shop B, because hiring DVD for 14 days in shop B is cheaper than shop A | Correct  Relevant motivation | (2)  **[18]** |

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| **QUESTION 3** |  |  |

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| 3.1 | 3.1.1 | Parallelogram | Correct answer | (1) |

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|  | 3.1.2 |  | Each correct each co-ordinate | (4) |

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|  | 3.1.3 | is a reflection or is flipped over axis to form | for reflection or flipped  for axis | (2) |

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|  | 3.1.4 | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | | Shape  All four points in the right co-ordinates | (2) |

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|  | 3.1.5 | Note:  (Pythagoras)  = 4,472  Perimeter | Pythagoras  Value of a NQ/OP  Correct addition  Correct answer | (4)  **[13]** |

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