**NCFE Level 1 Functional Skills Qualification in Mathematics (603/5055/6)**

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| Paper number: P001253Section A: Non-calculator Test |

**Assessment window:** Monday 14 October 2019 – Friday 18 October 2019

**Time allowed:** 30 minutes

**Learner instructions**

* Answer **all** questions.
* Read each question carefully.
* Write your answers in the spaces provided.
* Show your working, as marks may be awarded for working.
* State units in your answers, where appropriate.
* Check your work.

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| To be completed by the examiner | Mark |
| A | Activity 1 | / 15 |
| B | Activity 2 | / 15 |
| Activity 3 | / 15 |
| Activity 4 | / 15 |
| TOTAL MARK | / 60 |

**Learner information**

* Section A contains **Activity 1** only.
* The maximum mark for this section is **15**.
* The marks available for **each** question are shown in brackets.

**Resources**

You will need a:

* pen, with black or blue ink
* pencil and eraser
* 30 cm ruler
* protractor.

If extra pages are used, please make sure your name and centre name are on them
and they are securely fastened to this booklet.

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| **Please complete the details below clearly and in BLOCK CAPITALS.** |
| Learner name |  |
| Centre name |  |
|  |
| Learner number |  |  Centre number |  |

**Do not turn over until the invigilator tells you to do so.**

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**Activity 1: Climbing mountains**

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| **1 (a)** |  | G:\External Quality Assurance\Assessment Design\20. FS Reform\2. Production\2. Maths\Level 1\2. Paper-based\Paper 1\4- Temp&Review\Artwork\Act1.Q1a.jpgDon spends his holidays climbing mountains.The twenty highest mountains in the UK are all in Scotland.Don began climbing these mountains in 2011.He climbed 4 of these mountains each year.In which year did he finish climbing the twenty highest mountains? **[2 marks]** |
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|  |  |  | Your answer: |  |

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| **1 (b)** |  | Don lives in London.He wants to travel to Fort William in Scotland.Don finds this information about travel times.**G:\External Quality Assurance\Assessment Design\20. FS Reform\2. Production\2. Maths\Level 1\2. Paper-based\Paper 1\4- Temp&Review\Artwork\A-1b.png**How much longer does it take to travel by the night bus than to fly? **[1 mark]** |
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|  |  |  | Your answer: |  |

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| **1 (c)** |  | The cost of a return train ticket from London to Fort William is £176Don sees an offer which gives him a 15% discount.How much money will Don save if he has the discount?**[2 marks]** |
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|  |  |  | Your answer: |  **£** |

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| **1 (d)** |  | Don is going to climb a mountain called Ben Nevis.To estimate how long this will take he uses this rule:* 12 minutes for every 1 kilometre (km) of distance forward

plus* 10 minutes for every 100 metres (m) of height gained.

G:\External Quality Assurance\Assessment Design\20. FS Reform\2. Production\2. Maths\Level 1\2. Paper-based\Paper 1\4- Temp&Review\Artwork\Q-1d.pngThe height of Ben Nevis is 1345 mThe distance forward is 17 kmEstimate how long it will take Don to climb Ben Nevis.Give your answer to the nearest hour.**[5 marks]** |
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|  |  |  | Your answer: |  **hours** |

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| **1 (e)** |  | The time taken to come down a mountain depends on the angle of the slope.Estimate the angle of this slope and tick the correct statement.G:\External Quality Assurance\Assessment Design\20. FS Reform\2. Production\2. Maths\Level 1\2. Paper-based\Paper 1\4- Temp&Review\Artwork\Q-1e.png

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|  | The angle is less than 5º |
|  |  |
|  | The angle is between 5º and 12º |
|  |  |
|  | The angle is more than 12º but less than 90º |
|  |  |
|  | The angle is more than 90º |

**[1 mark]** |

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| **1 (f)** |  | When Don arrives in Fort William* the temperature at the bottom of Ben Nevis is 3 ºC
* the temperature at the top of Ben Nevis is –6 ºC

Calculatethe difference in temperature between the top and bottom of Ben Nevis.**[2 marks]** |
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|  |  |  | Your answer: |  **degrees** |

 **Please turn over**

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| **1 (g)** |  | The weather forecast says that, at the top of Ben Nevis at 2pm there is * a 20% chance of snow
* a  chance of rain.

Is it more likely to snow or rain? Show your working.**[2 marks]** |
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|  |  |  | Your answer: |  |

 **[Total marks: 15]**

**This is the end of Section A.**