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

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| Paper number: P001254Section A: Non-calculator Test |

**Assessment window:** Monday 9 December 2019 – Friday 13 December 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 |  |
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| Learner number |  |  Centre number |  |

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

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**Activity 1: Starting a business**

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| **1 (a)** |  | Denise starts up a business making candles.She borrows £2500 for one year.The interest on the loan is 5% per year.How much will Denise pay back in total? **[2 marks]** |
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|  |  |  | Your answer: |  **£** |

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| **1 (b)** |  | Denise needs wax to make candles. She wants to know how much wax, in kilograms (kg), she needs to buy. She uses this calculation:870 × 1.510²How much wax will Denise need to buy? **[3 marks]** |
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|  |  |  | Your answer: | **kg** |

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| **1 (c)** |  | Denise decides to buy 10 kg of wax.She finds these deals:***Deal A******Wax £34.99 per 10 kg******Deal B******Wax 75p per 200 g***Which is the better deal?Show your working. **[3 marks]** |
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|  |  |  | Your answer: |  |

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| **1 (d)** |  | Denise needs 30000 millimetres (mm) of ribbon to decorate the candles. Write 30000 mm in metres (m). **[2 marks]** |
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|  |  |  | Your answer: | **m** |

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| **1 (e)** |  | Denise needs to buy some boxes for the candles.This is the net of the box she chose:The net is made up of six squares.What shape will the box be?**[1 mark]** |
|  |  |  | Your answer: |  |

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| **1 (f)** |  | Denise sells candles for two weeks. She wants to compare the number and type of candles she sold in **Week 1** with the number and type of candles she sold in **Week 2**.After the second week of selling candles, Denise wants to produce a pie chart to compare sales of candles from Week 1 and Week 2.This is the pie chart for candles she sold in **Week 1**. **Candles sold in Week 1 Type****Cherry****Linen****Lavender****Vanilla** |

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|  |  | This table shows the number and type of candles sold in **Week 2**.

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| **Type of the candle** | **Number of candles sold in Week 2** |
| **Vanilla** | 85 |
| **Lavender** | 123 |
| **Cherry** | 100 |
| **Linen** | 52 |

Draw and label the pie chart below for **Week 2**.  **Candles sold in Week 2 Type**Make **one** comparison between **Week 1** and **Week 2**.**[4 marks]** |
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 **[Total marks: 15]**

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

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