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

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| Paper number: P001254  Section 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 × 1.5  10²  How 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: |  |

**Please turn over**

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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**.   |  |  | | --- | --- | | **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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