

## **NCFE Entry Level 3 Functional Skills Qualification in Mathematics (603/5061/1)**

Mark scheme: Paper 2

### **Marking guidelines**

The following mark scheme gives:

- the total marks available for each question
- the subject content referencing
- example process/methods and evidence of the types of responses expected for each mark.

#### General guidelines

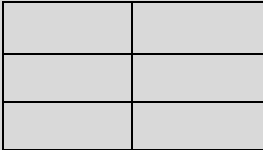
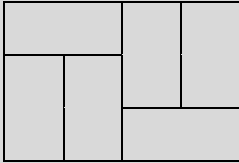
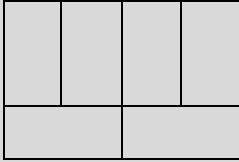
You must apply the following marking guidelines to all marking undertaken throughout the marking period. This is to ensure fairness to all learners, who must receive the same treatment. You must mark the first learner in exactly the same way as you mark the last.

- The mark scheme must be referred to throughout the marking period and applied consistently. Do not change your approach to marking once you have been standardised.
- Reward learners positively giving credit for what they have shown, rather than what they might have omitted.
- Utilise the whole mark range and always award full marks when the response merits.
- Be prepared to award zero marks if the learner's response has no relevant material.
- Do not credit irrelevant material that does not answer the question, no matter how impressive the response might be.
- The marks awarded for each response should be clearly and legibly recorded beside each question.
- If you are in any doubt about the application of the mark scheme, you must consult with your Internal Quality Assurer (IQA).

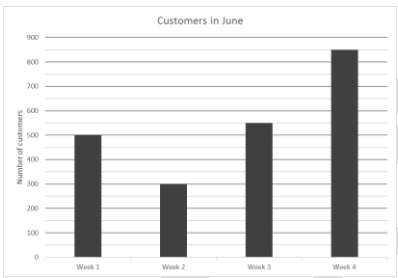
To support the valid, reliable and consistent marking of learner evidence, the following abbreviations are applied throughout the mark scheme:

<b>Annotation</b>	<b>Explanation and use</b>
<b>FT</b>	Follow through marks are applied when there are earlier mistakes in the method.
<b>OE</b>	Or equivalent marks are available for the justification of the answer being presented in a different form to the mark scheme i.e. 0.5 or $\frac{1}{2}$ .
<b>CAO</b>	Correct answer only.
<b>Their</b>	'Their' refers to the learners' own values.
<b>Seen</b>	Seen refers to the requirement to see the stated value in the learner's response or working out.
<b>Imp</b>	Implied refers to the learner's response implying correct working out used but not seen.
<b>Brackets</b>	Indicates units are not required on final answers or for answers seen within working.
<b>BOD</b>	Benefit of doubt where learner handwriting may be difficult to interpret but previous working may indicate correct final answer.
<b>Shaded</b>	Indicates requirements for full marks to be awarded.

Section A Activity 1	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
1(a)	2	UPS	B indicated only	Accept mark other than tick	
	1		12.20 - 40	Can be imp. if correct answer given	M12b
	1		B indicated only	CAO	M13
1(b)	1	PS	Library	CAO Accept mark other than circling	M20
1(c)	1	PS	(£)0.80, (£)1.00, (£)1.20, (£)1.40, (£)1.60	CAO	N8
1(d)	2	PS	80p	Award full marks if correct answer seen	
	1		1.60 – 0.80 or 160 - 80	OE method eg counting on	M10
	1		80p	CAO - must include correct monetary notation OE £0.80	M10
1(e)	2	PS	No (It is) (£) 114 (.00) because you round down.	Decision without explanation is 0 marks	
	1		...(It is) (£) 114 (.00) because you round down.	OE valid negative indication as to why it's not £115	M11
1(f)	1	UPS	(£) 123 (.00)	CAO	M11
1(g)	1	UPS	A indicated only	CAO	M19a
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC								
2(a)	2	UPS	Any 18 pieces shaded	CAO Accept indication other than shading eg tick on each trifle									
	1		Any 9 pieces shaded		N7								
2(b)	3	PS	6 pieces drawn correctly 	OE  5 cm by 10 cm (allow ½ cm tolerance) 									
	1		1 to 3 pieces drawn correctly		M14a								
	1		4 to 5 pieces drawn correctly		M14a								
	1		6 pieces drawn correctly		M14a								
2(c)	3	PS	288 (g)	Award full marks if correct answer seen									
	1		$18 \div 6$	Imp. if multiplication below seen OE $96 \div 6 = 16$	N3								
	1		$96 \times 3$	OE $16 \text{ (g)} \times 18$	N4								
	1		288 (g)	CAO	N4								
2(d)	2	PS	<table border="1" data-bbox="536 1592 944 1733"> <thead> <tr> <th></th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>Trifle</td> <td>3</td> </tr> <tr> <td>Cheesecake</td> <td>3</td> </tr> <tr> <td>Shortbread</td> <td>2</td> </tr> </tbody> </table>		Frequency	Trifle	3	Cheesecake	3	Shortbread	2		
	Frequency												
Trifle	3												
Cheesecake	3												
Shortbread	2												
	1		2 values correct		H21								
<b>Total marks</b>	<b>10</b>												

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3(a)	1	PS	Potatoes	OE Accept 3 kg Accept spelling errors as long as meaning is clear	M16
3(b)	2	PS	16 (boxes)	Award full marks if correct answer seen	
	1		$320 \div 20$	OE eg repeated subtraction	N3
	1		16 (boxes)	CAO	N3
3(c)	2	PS	60 and 70 and 80	All values in correct order for full marks	
	1		Any two in correct order		N6
3(d)	2	PS	£40 (.00)	Award full marks if correct answer seen	
	1		$500 \div 50 = 10$ and $£4 (.00) \times 10$	OE eg count on in 50s	M10
	1		£40 (.00)	CAO - must include correct monetary notation	M10
3(e)	2	UPS	Five hundred and Six hundred and fifty	Accept spelling errors as long as meaning is clear	
	1		Five hundred or Six hundred and fifty		N1a
3(f)	1	UPS	Lemonade	CAO Accept any other indication eg tick on bottle	M17
<b>Total marks</b>	<b>10</b>				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4(a)	2	PS	250 (more)	Award full marks if correct answer seen	
	1		600 and 350 seen	Comparison/counting on from lowest value to highest	H22
	1		250 (more)	CAO	H22
4(b)	3	PS	Correct bar drawn to 850		
	1		300 or 550	Imp. that correct values extracted	H23
	1		850	Applying condition	H23
	1		Bar drawn to correct height - 850 	Allow FT their 850 plotted correctly	H23
4(c)	2	PS	800	Award full marks if correct answer seen	
	1		500 + 300	Allow FT for their extracted values	N2a
	1		800	Allow FT	N2a
4(d)	1	UPS	3 hrs 25 mins	CAO	M12b
4(e)	2	PS	Thursday, because it is the hottest day	Decision and valid explanation for full marks	
	1		Thursday	Accept spelling errors as long as meaning is clear	M14d
	1		Valid explanation	OE eg It is 10° hotter than Wednesday or any other wording to indicate Thursday as the hottest day	M14d
<b>Total marks</b>	<b>10</b>				