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).

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

Annotation	Explanation and use
FT	Follow through marks are applied when there are earlier mistakes in the method.
OE	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 ½.
CAO	Correct answer only.
Their	'Their' refers to the learners' own values.
Seen	Seen refers to the requirement to see the stated value in the learner's response or working out.
Imp	Implied refers to the learner's response implying correct working out used but not seen.
Brackets	Indicates units are not required on final answers or for answers seen within working.
BOD	Benefit of doubt where learner handwriting may be difficult to interpret but previous working may indicate correct final answer.
Shaded	Indicates requirements for full marks to be awarded.

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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**				

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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 ÷ 6	Imp. if multiplication below seen OE 96 ÷ 6 = 16	N3
	1		96 x 3	OE 16 (g) x 18	N4
	1		288 (g)	CAO	N4
2(d)	**2**	**PS**	<table><tr><th></th><th>Frequency</th></tr><tr><td>Trifle</td><td>3</td></tr><tr><td>Cheesecake</td><td>3</td></tr><tr><td>Shortbread</td><td>2</td></tr></table>		
	1		2 values correct		H21
Total marks	**10**				

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 ÷ 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 ÷ 50 = 10 **and** £4 (.00) x 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**
Total marks	**10**				

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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
Total marks	**10**				

post paper