



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

Mark Scheme: **Sample Assessment Material**

### **Sample Assessment Materials Entry Level 3 pass mark: 27**

The sample assessment paper pass mark is intended for guidance purposes only. A sample assessment will give learners an indication of their current level of performance rather than an official assessment.

### **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 them.
- 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 in the grid on the back of the Question Paper.
- If you are in any doubt about the application of the Mark Scheme, you must consult with your internal quality assurer.













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 the method uses the learner's answer from a previous step.
OE	'Or equivalent' marks are available for the justification of the answer being presented in a different form to the Mark Scheme (ie 0.5 or 1/2).
CAO	'Correct answer only'.
Their	'Their' refers to the learner's own derived values from a correct method or from an attempt at a correct method.
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	Indicate units are not required on final answers or for answers seen within working.
BOD	Use to indicate where the learner may have made an error that has resulted in 'benefit of doubt' being applied (ie where learner handwriting may be difficult to interpret but previous working may indicate correct final answer or transposition of figures, but previous working clearly shows otherwise).
Shaded row	Indicates requirements for full marks to be awarded. <b>Note:</b> if the instruction to 'Award full marks if correct answer seen' appears in the shaded row and the correct answer is seen, then working is not required.

Section A Activity 1	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
1 (a)	1	UPS	345	CAO	N2b
1 (b)	1	UPS	238	CAO	N4
1 (c)	1	UPS	995	CAO	N2a
1 (d)	1	UPS	423	CAO	N3
<b>Total marks</b>	<b>4</b>				

Section A Activity 2	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
2 (a)	3	PS	No and (£)822	<b>Decision without evidence of working is 0 marks OE No and valid working</b>	
	1		683 + 139	OE method	N2a
	1		(£)822	OE valid numerical reason eg (£)6 more	N2a
	1		No and (£)822	OE eg No and (£)6 more	N1b
2 (b)	1	PS	45	<b>Accept sequence written with 45 indicated or in correct place</b>	N6
2 (c)	2	PS	(£)64	<b>Working must be seen for full marks</b>	
	1		768 ÷ 12	OE method	N3
	1		(£)64	CAO	N3
<b>Total marks</b>	<b>6</b>				

Section B Activity 3	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3 (a)	1	UPS	$\frac{1}{3}$	CAO	N7
3 (b)	1	UPS	B indicated only	Accept mark other than tick	N8
3 (c)	1	UPS	1	CAO	M19a
3 (d)	2	UPS	D, B, A, C	All correct for full marks Accept weights written	
	1		Any 3 in consecutive order or lightest and heaviest correct or correctly ordered but heaviest to lightest		M16
	1		D, B, A, C	Accept weights written in place of letters	M16
3 (e)	1	UPS	904	CAO	N1a
<b>Total marks</b>	<b>6</b>				

Section B Activity 4	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC																				
4 (a)	2	PS	<table border="1"> <thead> <tr> <th>Item</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>P(late)</td> <td>4</td> </tr> <tr> <td>B(owl)</td> <td>2</td> </tr> <tr> <td>M(ug)</td> <td>5</td> </tr> <tr> <td>G(lass)</td> <td>3</td> </tr> </tbody> </table>	Item	Frequency	P(late)	4	B(owl)	2	M(ug)	5	G(lass)	3	<p>All rows correct (accept correct content in order - content in brackets not required) Do not accept tally without frequency value Accept images as below</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td></td> <td>4</td> </tr> <tr> <td></td> <td>2</td> </tr> <tr> <td></td> <td>5</td> </tr> <tr> <td></td> <td>3</td> </tr> </tbody> </table>	Item	Frequency		4		2		5		3	
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Item	Frequency																								
	4																								
	2																								
	5																								
	3																								
	1		Any 2 rows correct		H21																				
	1		All 4 rows correct	Accept any order Content in brackets not required	H21																				
4 (b)	1	PS	C indicated only	Accept mark other than tick	M15																				
4 (c)	1	PS	S(outh) E(ast)	CAO	M20																				
4 (d)	1	PS	D indicated only	Accept mark other than tick	M17																				
4 (e)	3	PS	£9(.00)	Award full marks if correct answer seen																					
	1		$2.2(0) \times 4$	OE method Do not accept rounded values in method	M10																				
	1		8.8(0)	CAO Imp 1st mark if seen	M10																				
	1		£9(.00)	Accept FT correctly rounded value with correct monetary notation or Award M11 for 2 seen in method	M11																				
<b>Total marks</b>	<b>8</b>																								

Section B Activity 5	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
5 (a)	2	PS	330 – 140 = 190	OE method of checking	
	1		330	Rounded value seen	N5
	1		330 – 140 = 190	Accept FT from their rounded value and method	N5
5 (b)	2	PS	No and 13 (kg)	<b>Decision without reason is 0 marks</b> OE No and valid numerical reason eg No and 2 (kg) short	
	1		13 (kg)	OE valid numerical reason eg 2 (kg) short	M14c
	1		No and 13 (kg)	OE No and valid numerical reason eg No and 2 (kg) short	M14c
5 (c)	2	PS	1 (hour) 55 (minutes) or 115 (minutes)	<b>Award full marks if correct answer seen</b>	
	1		Counting on from 9.20 to 11.15	OE to show evidence of measuring time accurately	M12b
	1		1 (hour) 55 (minutes) 115 (minutes)	OE format eg 115 (minutes)	M12b
5 (d)	2	PS	No and 12.5 cm	<b>Decision without reason is 0 marks</b> OE No and valid numerical reason eg No and 0.5 cm longer ± 2 mm tolerance <b>Accept No and 125 mm and 120 mm</b>	
	1		12.5 cm	OE valid numerical reason eg 5 cm longer ± 2 mm tolerance Accept accurate measurement from image on page Assessor to verify Accept 125 mm	M18
	1		No and 12.5 cm	OE No and valid numerical reason eg No and 0.5 cm longer ± 2 mm tolerance Accept No and 125 mm and 120 mm	M18
<b>Total marks</b>	<b>8</b>				

Section B Activity 6	Marks	UPS / PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC																								
6 (a)	2	PS		<b>OE accurate chart</b> <b>All bars drawn correctly</b>																									
	1		Any 2 bars drawn correctly			Accept any indication of plotting each value correctly	H23																						
	1		All 4 bars drawn correctly			Accept any indication of plotting each value correctly	H23																						
	2	PS	No and 7.50 (am / pm)			<b>Decision without reason is 0 marks</b> <b>OE No and valid numerical reason and format</b> <b>eg No and 20 minutes left</b>																							
	1		7.50 (am / pm)	OE valid numerical reason and format Eg 20 minutes left Accept ten to eight	M13																								
	1		No and 7.50 (am / pm)	OE No and valid numerical reason and format eg No and 20 minutes left Accept ten to eight written in words	M13																								
6 (c)	2	PS	40 (units)	<b>Award full marks if correct answer seen</b>																									
	1		280 and 240	Accept written or indicated on chart	H22																								
	1		40 (units)	Accept FT from correct method seen with 1 incorrect reading	H22																								
6 (d)	2	PS	<table border="1"> <thead> <tr> <th></th> <th>Monday</th> <th>Tuesday</th> <th>Wednesday</th> <th>Thursday</th> <th>Friday</th> </tr> </thead> <tbody> <tr> <td>Morning</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> </tr> <tr> <td>Afternoon</td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Evening</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Monday	Tuesday	Wednesday	Thursday	Friday	Morning					✓	Afternoon			✓			Evening						<b>Both cells correct</b>	
				Monday	Tuesday	Wednesday	Thursday	Friday																					
			Morning					✓																					
Afternoon			✓																										
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	1		Friday morning cell or Wednesday afternoon cell	Accept any indication in correct cells eg x or gas (inspector) or correct times	H23
	1		Friday morning AND Wednesday afternoon cells completed	Both cells correct	H23
<b>Total marks</b>	<b>8</b>				

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