



NCFE Entry Level 3 Functional Skills Qualification in Mathematics

(603/5061/1)

Mark scheme: Paper 10

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 in the grid on the front 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 (IQA).

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 $\frac{1}{2}$.
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.

Section A Activity 1	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
1 (a)	1	UPS	$\frac{4}{5}$	CAO	N7
1 (b)	1	UPS	632	CAO	N2a
1 (c)	1	UPS	(£) 9 (.00)	CAO	M11
1 (d)	3	PS	9.07 am	Award full marks if correct answer seen	
	1		8.35	Correctly reading the clock	M13
	1		8.35 + 20 + 12 or 9.07 without am	Allow FT of their 8:35 OE to show evidence of measuring time accurately OE format eg 7 minutes past 9	M12b
	1		9.07 am	CAO – must include correct 12hr format	M12c
1 (e)	2	PS	27 (pages)	Working must be seen for full marks	
	1		$165 \div 6$	OE method	N3
	1		27 (pages)	CAO	N3
1 (f)	1	PS	3 (pages left to read)	Allow correct answer if seen in 1e Allow correct remainder from their answer to 1e	N3
1 (g)	1	UPS	1.45	CAO	N9
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC										
2 (a)	1	UPS	Eight hundred and twelve	Accept spelling error as long as meaning is clear	N1a										
2 (b)	1	UPS	22 °C	CAO	M14d										
2 (c)	2	PS	No and 0.75 litres/750 ml (is more)	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 150 ml less											
	1	 0.75 litres/750 ml (is more)	OE valid numerical reason eg ...150 ml less	M17										
2 (d)	2	PS	No and 35 (more)	Decision without reason is 0 marks OE decision and valid numerical reason eg No and history would have to be 115											
	1	35 (more)	OE valid numerical reason eg ...history would have to be 115	H22										
2 (e)	2	PS	<table border="1"> <thead> <tr> <th>Subject</th> <th>Number of students</th> </tr> </thead> <tbody> <tr> <td>biology</td> <td>120</td> </tr> <tr> <td>physics</td> <td>90</td> </tr> <tr> <td>art</td> <td>75</td> </tr> <tr> <td>drama</td> <td>45</td> </tr> </tbody> </table>	Subject	Number of students	biology	120	physics	90	art	75	drama	45	OE accurate table with suitable headings All rows correct (accept any order)	
Subject	Number of students														
biology	120														
physics	90														
art	75														
drama	45														
	1		Suitable table headings	OE suitable headings eg Lesson/Number	H23										
	1		All 4 rows correct		H23										
2 (f)	2	UPS	<table border="1"> <thead> <tr> <th>Activity</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>football</td> <td>5</td> </tr> <tr> <td>dance</td> <td>7</td> </tr> <tr> <td>singing</td> <td>3</td> </tr> <tr> <td>rugby</td> <td>1</td> </tr> </tbody> </table>	Activity	Frequency	football	5	dance	7	singing	3	rugby	1	All 4 frequency values correct Do not accept tally without frequency value	
Activity	Frequency														
football	5														
dance	7														
singing	3														
rugby	1														
	1		Any 2 frequency 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	N(orth) E(ast)	Accept spelling error as long as meaning is clear	M20
3 (b)	3	PS	No and (there are) 450 ml/0.45 litres	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 50 ml less	
	1		500 ml	Imp. comparison to 0.5 litres	M17
	1	(there are) 450 ml/0.45 litres	Reading scale	M14b
	1		No and (there are) 450 ml/0.45 litres	OE eg No and 50 ml less	M17
3 (c)	1	PS	C indicated only	Accept mark other than tick	N8
3 (d)	2	PS	£3.05	Award full marks if correct answer seen	
	1		10 – 6.95	OE method	M10
	1		£3.05	CAO - must include correct monetary notation Accept only £3.05 Do not accept 3.05p or £3.05p	M10
3 (e)	1	UPS	235	Accept 235 indicated on table	N1b
3 (f)	2	PS	No and D	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 0.8 km	
	1	 D	OE valid numerical reason eg ... 0.8 km	M15
Total marks	10				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4 (a)	3	PS	$250 + 120 + 230 = 600$	OE method of checking	
	1		250 and 120 and 230	Rounded values seen	N5
	1		$250 + 120 + 230$	Accept their rounded values in their method	N2a
	1		$250 + 120 + 230 = 600$	Accept FT from their values and method	N2a
4 (b)	1	UPS	90 (minutes)	CAO	N6
4 (c)	2	PS	264 (pages)	Award full marks if correct answer seen	
	1		24×11	OE method	N4
	1		264 (pages)	CAO	N4
4 (d)	1	PS	D indicated only	Accept mark other than tick	M16
4 (e)	1	PS	24 (right angles)	CAO	M19b
4 (f)	2	PS	A and E indicated only	Accept mark other than tick	
	1		A indicated		M12a
	1		E indicated		M13
Total marks	10				