



NCFE Entry Level 3 Functional Skills Qualification in Mathematics

(603/5061/1)

Mark scheme: Paper 12

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.

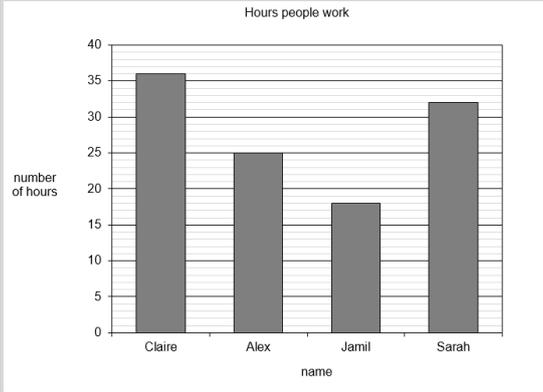
- The mark scheme must be referred to throughout the marking period and applied consistently. Do not change your approach to marking once you have been standardised.
- Reward learners positively giving credit for what they have shown, rather than what they might have omitted.
- Utilise the whole mark 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	B indicated only	Accept mark other than tick	M20
1 (b)	1	UPS	7.25 (am)	OE indication of correct time eg seven twenty five	M13
1 (c)	2	PS	990 (grams)	Award full marks if correct answer seen	
	1		675 + 315	OE method	N2a
	1		990 (grams)	CAO	N2a
1 (d)	3	PS	500 + 100 = 600	OE method of checking	
		1	500 and 100	Rounded values seen	N5
		1	500 + 100	Accept their rounded values in their method	N2a
		1	500 + 100 = 600	Accept FT from their values and method	N2a
1 (e)	2	PS	264 (chocolate chips)	Working must be seen for full marks	
	1		22 x 12	OE method	N4
	1		264 (chocolate chips)	CAO	N4
1 (f)	1	UPS	$\frac{3}{4}$	CAO	N7
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC										
2 (a)	1	UPS	13 (inches)	CAO	M14a										
2 (b)	2	PS	No and 28 cm/280 mm (is more)	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 2 mm less											
	1		...28 cm/280 mm (is more)	OE valid numerical reason eg ...2 mm less	M15										
2 (c)	1	UPS	C indicated only	Accept mark other than tick	M18										
2 (d)	1	UPS	A B and E indicated only	Accept mark other than tick	M19a										
2 (e)	3	PS	<table border="1" style="margin: auto;"> <thead> <tr> <th>Place</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>North Village</td> <td>7</td> </tr> <tr> <td>South Village</td> <td>3</td> </tr> <tr> <td>sea front</td> <td>12</td> </tr> <tr> <td>shopping centre</td> <td>20</td> </tr> </tbody> </table>	Place	Frequency	North Village	7	South Village	3	sea front	12	shopping centre	20	OE accurate table with suitable headings All rows correct (accept any order) Do not accept tally without frequency value	
Place	Frequency														
North Village	7														
South Village	3														
sea front	12														
shopping centre	20														
	1		Suitable table headings	OE suitable headings eg Area/Number	H21										
	1		Any 2 rows correct		H21										
	1		All 4 rows correct		H21										
2 (f)	2	PS	11 (°C)	Award full marks if correct answer seen											
	1		19 (°C) and 8 (°C)	Accept written or indicated on chart	H22										
Total marks	10														

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3 (a)	4	PS		<p>OE accurate chart with all bars labelled and suitable scale</p> <p>All bars drawn correctly</p>	
	1		Scale showing 0–40	OE suitable linear scale	H23
	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
	1		All bars labelled correctly	Accept bars in any order	H23
3 (b)	1	UPS	(£) 10 (.00)	CAO	M11
3 (c)	1	UPS	(£) 9.75	CAO	N8
3 (d)	2	PS	No and A	<p>Decision without reason is 0 marks</p> <p>OE decision and valid reason</p> <p>eg No and D holds the least</p>	
	1		...A	OE valid reason eg ...D holds the least	M17
3 (e)	2	PS	11.50 am	Award full marks if correct answer seen	
	1		8.20 + 3.5 hours or 11.50 without am	<p>OE to show evidence of measuring time accurately</p> <p>OE format eg ten to twelve</p>	M12b
	1		11.50 am	CAO – must include correct 12hr format	M12c
Total marks	10				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4 (a)	3	PS	£469 (.00)	Award full marks if correct answer seen	
	1		250.9 + 218.2	OE method	M10
	1		469.1	CAO	M10
	1		£469 (.00)	Accept FT correctly rounded with correct monetary notation	M11
4 (b)	1	UPS	(£) 613	CAO	N1a
4 (c)	3	PS	66 (tea bags)	Award full marks if correct answer seen	
	1		319 – 138 or 319 – 115	OE method	N2b
	1		Their 181 – 115 or their 204 – 138	OE method	N2b
	1		66 (tea bags)	CAO	N2b
4 (d)	1	UPS	1.2 (kg)	CAO	N9
4 (e)	2	PS	No and 0.6 kg/600 g (is more)	Decision without reason is 0 marks. OE decision and valid numerical reason eg No and 10 g lighter	
	1		...0.6 kg/600 g (is more)	OE valid numerical reason eg ...10 g lighter	M16
Total marks	10				