



NCFE Entry Level 3 Functional Skills Qualification in Mathematics

(603/5061/1)

Mark scheme: Paper 11

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.

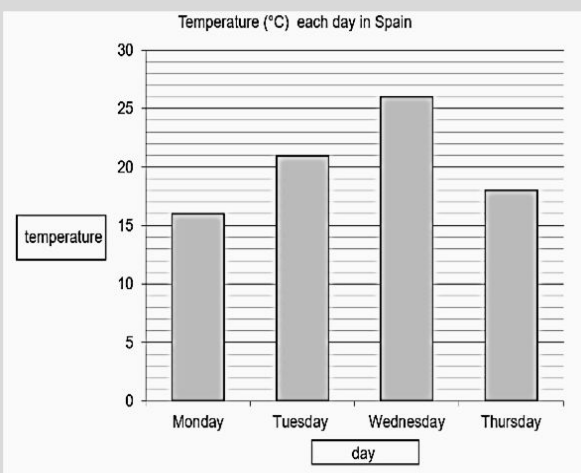
- The mark scheme must be referred to throughout the marking period and applied consistently. Do not change your approach to marking once you have been standardised.
- Reward learners positively giving credit for what they have shown, rather than what they might have omitted.
- Utilise the whole mark 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	868	CAO	N2a
1 (b)	2	PS	(£) 935	Award full marks if correct answer seen	
	1		85 x 11	OE method	N4
	1		(£) 935	CAO	N4
1 (c)	1	UPS	(£) 535.50	Accept £535.50 indicated on image	N8
1 (d)	2	PS	(£) 550	Working must be seen for full marks	
	1		675 – 125	OE method	N2b
	1		(£) 550	CAO	N2b
1 (e)	2	PS	£167.10	Award full marks if correct answer seen	
	1		73.5 + 93.6	OE method	M10
	1		£167.10	CAO – must include correct monetary notation Accept only £167.10 Do not accept 167.10p or £167.10p	M10
1 (f)	2	PS	No and F (is less)	Decision without reason is 0 marks OE decision and valid numerical reason eg No and C is (£) 2 more	
	1		...F (is less)	OE valid numerical reason eg ...C is (£) 2 more	N1b
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC										
2 (a)	2	PS	No and Palm Hotel	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 490 metres is less											
	1		...Palm Hotel	OE valid numerical reason eg ...490 metres is less	M15										
2 (b)	3	PS	<table border="1"> <thead> <tr> <th>Country</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>UK</td> <td>750</td> </tr> <tr> <td>France</td> <td>500</td> </tr> <tr> <td>Germany</td> <td>450</td> </tr> <tr> <td>Portugal</td> <td>800</td> </tr> </tbody> </table>	Country	Frequency	UK	750	France	500	Germany	450	Portugal	800	OE accurate table with suitable headings All rows correct (accept any order)	
Country	Frequency														
UK	750														
France	500														
Germany	450														
Portugal	800														
	1		Suitable table headings	OE suitable headings eg Where from/ Number of guests	H21										
	1		Any 2 rows correct		H21										
	1		All 4 rows correct		H21										
2 (c)	3	PS	$140 + 120 = 260$	OE method of checking											
	1		140 and 120	Rounded values seen	N5										
	1		$140 + 120$	Accept their rounded values in their method	N2a										
	1		$140 + 120 = 260$	Accept FT from their values and method	N2a										
2 (d)	1	UPS	16 cm	OE 160 mm \pm 2 mm tolerance Accept imperial equivalent Accept accurate measurement from image on page Assessor to verify	M18										
2 (e)	1	UPS	(£) 146 (.00)	CAO	M11										
Total marks	10														

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3 (a)	3	PS	3.40 pm	Award full marks if correct answer seen	
	1		6.35 – 2 (hours) or 4.35 without pm	OE to show evidence of measuring time accurately OE format eg twenty five (minutes) to five	M12b
	1		4.35 – 55 (minutes) or 3.40 without pm	OE to show evidence of measuring time accurately OE format eg twenty (minutes) to four	M12b
	1		3.40 pm	CAO – must include correct 12hr format	M12c
3 (b)	1	UPS	20 kg	CAO	M14c
3 (c)	1	UPS	4.40 (pm)	OE indication of correct time eg twenty (minutes) to five	M13
3 (d)	1	UPS	$\frac{3}{5}$	CAO	N7
3 (e)	3	PS	 <p>Temperature (°C) each day in Spain</p> <p>temperature</p> <p>Monday Tuesday Wednesday Thursday</p> <p>day</p>	<p>OE accurate chart with both axis labels and suitable scale</p> <p>All bars drawn correctly</p>	
	1		Scale showing 0 – 30	OE suitable linear scale	H23
	1		Day in horizontal axis and temperature in vertical axis	OE suitable labels as long as mathematically correct eg Day of the week (horizontal) °C (vertical)	H23
	1		All 4 bars drawn correctly	Accept any indication of plotting each value correctly	H23
3 (f)	1	UPS	269	CAO	N1a
Total marks	10				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4 (a)	1	PS	A indicated only	Accept mark other than tick	M20
4 (b)	3	PS	No and 600	Decision without reason is 0 marks OE decision and valid numerical reason eg No and (only) 250	
	1		300 or 500 seen	Accept values indicated on graph	H22
	1		...600	OE valid numerical reason eg...(only) 250	H22
	1		No and 600	OE eg No and (only) 250	H22
4 (c)	2	UPS	A and C indicated only	Accept mark other than tick	
	1		A or C indicated		M19b
4 (d)	2	PS	Yes and 0.8 kg/800 g (is heavier)	Decision without reason is 0 marks OE decision and valid numerical reason eg Yes and 200 g more	
	1		...(it is) 0.8 kg/800 g	OE valid numerical reason eg...200 g more	M16
4 (e)	2	PS	0.35 (kg) and 0.4 (kg) only	Both values correct and in order	
	1		0.35 (kg) in 1 st space or 0.4 (kg) in 2 nd space or 2 incorrect values with interval of + 0.05		N9
Total marks	10				