

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

Mark scheme: Paper 1

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).

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)	2	PS	800 (m)	Award full marks if correct answer seen	
	1		50 + 275 + 200 + 275	OE addition in any order	N2a
	1		800 (m)	CAO	N2a
1(b)	1	PS	He has not ran 1 km because 800 m < 1 km /1000 m	OE accept any wording to indicate 800 m < 1 km or 1 km is > 800 m Accept FT from 1a in comparison to 1 km	M15
1(c)	2	PS	£378	Award full marks if correct answer seen	
	1		42 × (£) 9	OE eg repeated addition	M10
	1		£378	CAO must include correct monetary notation	M10
1(d)	2	UPS	40 × (£) 10 = (£) 400	OE eg 10 x 40	
	1		40 and (£) 10 or (£) 400	indicates rounding	N5
1(e)	3	PS	6:50 am	Working must be seen for full marks	
	1		7:45	OE any indication of reading time	M12a
	1		7:45 - 0:55	OE Counting back from 7:45	M12b
	1		6:50 am	CAO including correct 12hr format	M12c
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
2(a)	1	PS	$\frac{1}{4}$	OE eg $\frac{2}{8}$ or written in words as long as meaning is clear	N7
2(b)	2	UPS	£19	Award full marks if correct answer seen	
	1		$152 \div 8$	OE method of division eg repeated subtraction	M10
	1		£19	CAO must include correct monetary notation	M10
2(c)	3	PS	£9.00	Working must be seen for full marks	
	1		$70 \div 8$	OE method of division eg repeated subtraction	M10
	1		8.75	CAO for calculation	M10
	1		£9.00	Rounded amount Accept FT correctly rounded	M11
2(d)	1	PS	B indicated only	CAO Accept mark other than tick	M13
2(e)	1	PS	A indicated only	CAO Accept mark other than tick	M19a
2(f)	2	PS	14:49	Award full marks if correct answer seen	
	1		$14:04 \text{ to } 14:19 = 15$	OE method to identify 15 minute interval/apply interval eg $14:34 + 15 = 14:49$	N6
	1		14:49	CAO	N6
Total marks	10				

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3(a)	2	PS	Yes 6.8 kg > 700 g/0.7 kg	Award full marks if correct answer seen	
	1		6.8 kg or 6800 g seen	Imp. reading figure from scale	M14c
	1		...6.8 (kg) > 700 g /0.7 kg	OE accept any valid indication of 6.8 (kg) > 700 g/0.7 kg eg Because the box weighs 6.8 kg	M16
3(b)	2	UPS	Both points added and joined by straight lines	CAO	
	1		Correct point for May at 130 with line April to May		H23
	1		Correct point for June at 195 with line May to June		H23
3(c)	2	PS	697 (litres)	Award full marks if correct answer seen	
	1		990 - 293	OE method of subtraction eg counting on	N2b
	1		697 (litres)	CAO	N2b
3(d)	2	PS	25 (bottles)	Award full marks if correct answer seen	
	1		$200 \div 8$	OE method of division eg repeated subtraction	N3
	1		25	CAO	N3
3(e)	2	PS	1 (.00) and 1.25	CAO	
	1		1 (.00)		N9
	1		1.25		N9
Total marks	10				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4(a)	2	PS	125 (more)	Award full marks if correct answer seen	
	1		275 and 400 seen	Comparison/counting on from brown buns to white buns	H22
	1		125	CAO	H22
4(b)	1	UPS	Veggie burgers, chicken burgers and brown buns indicated	All correct for mark Accept mark other than tick	H22
4(c)	1	PS	D indicated only	CAO Accept mark other than tick	M14d
4(d)	2	UPS	Month 3 drawn at 840 Month 4 drawn at 660	CAO	
	1		Month 3 drawn at 840	Allow bar drawn freehand	H23
	1		Month 4 drawn at 660	Allow bar drawn freehand	H23
4(e)	2	PS	840, 680, 671, 480, 326	Accept any clear indication of order eg C, A, D, E, B or S/Hut, B/Bar, P/stop, Tikka, C/shed	
	1		C, *, **, B or B, E, D, A, C	Most and least correct or listed in reverse order	N1b
4(f)	1	UPS	S(outh) E(ast)	CAO	M20
4(g)	1	PS	Three bottles is 900 ml	OE eg 900 ml is less than 1000 ml 1 litre is 1000 ml not 900 ml three bottles is 100 ml less	M17
Total marks	10				