NCFE Entry Level 2 Functional Skills Qualification in Mathematics (603/5053/2)

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).

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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 ie 0.5 or ½.
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.

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Section A Activity 1	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
1(a)	**2**	**UPS**	**Two clocks indicated only**		
	1		Digital clock F indicated	CAO Accept mark other than tick	M13c
	1		Analogue clock A indicated	CAO Accept mark other than tick	M13b
1(b)	**2**	**PS**	**44 (weeks)**	**Award full marks if correct answer seen**	
	1		52(-8)	Award this mark for 52 seen	N7b
	1		44 (weeks)	CAO Imp. 52-8 if correct answer given	N5b
1(c)	**2**	**PS**	**84 (hours)**	**Award full marks if correct answer seen**	
	1		7 x 12	OE seen	N6
	1		84 (hours)	CAO	N6
1(d)	**1**	**PS**	**Friday**	**CAO Accept mark other than tick**	**H24**
1(e)	**1**	**UPS**	**C indicated only**	**CAO Accept mark other than tick**	**M14**
Total marks	**8**				

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Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
2(a)	**2**	**PS**	**£78 (.00)**	**Award full marks if correct answer seen**	
	1		51 + 27	OE eg addition seen in any order	M12
	1		£78 (.00)	CAO - must include correct monetary notation	M12
2(b)	**2**	**PS**	**(£) 50 (.00) + (£) 30(.00) = (£) 80 (.00)**	**OE eg 30 + 50**	
	1		(£) 50 and (£) 30 **or** (£) 80	indicates rounding	N9
2(c)	**2**	**PS**	**£13 (.00)**	**Award full marks if correct answer seen**	
	1		78 ÷ 6	OE eg repeated subtraction Accept FT if 2a incorrect or rounded answer from 2b used	N8
	1		(£) 13 (.00)	Accept FT Correct answer to their 78 ÷ 6	N8
2(d)	**1**	**UPS**	**(Regular) Pentagon**	**CAO** **Accept spelling errors as long as meaning is clear**	**M19a**
2(e)	**1**	**UPS**	**5 (legs)**	**CAO**	**M20a**
Total marks	**8**				

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Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3(a)	**1**	**PS**	**B indicated only**	**CAO Accept mark other than tick**	**N4b**
3(b)	**2**	**PS**	**60g 16g 61g on top shelf 1.6kg 6kg 160g on bottom shelf**	**Allow any order on correct shelf or any indication of position**	
	1		3 lowest and 3 highest indicated but not positioned correctly		M15
	1		Their 3 lowest on top and their 3 highest on bottom	Allow FT as long as indication is clear	M21
3(c)	**3**	**PS**	**70**	**Working must be seen for full marks**	
	1		30	Imp. 30 counted correctly if 70 seen	N1
	1		100 - 30	OE eg counting on Accept FT if counted incorrectly	N5b
	1		70	Accept FT Correct answer to 100-their 30	N5b
3(d)	**1**	**UPS**	**100 (ml)**	**Accept 0.1 l (litres) Accept millilitres written in full**	**M18**
3(e)	**1**	**PS**	**Yes and it is warmer**	**OE It's 10 (°F) above or 80 (°F) is more than 70 (°F) (Do not accept decision without explanation)**	**M17**
Total marks	**8**				

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Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
4(a)	**1**	**UPS**	**130**	**Accept 130 indicated in table**	**H22**
4(b)	**2**	**PS**	**Bar 2 drawn at 80 and Bar 3 drawn at 160**	**Both bars drawn correctly**	
	1		Bar 2 drawn at 80 **or** Bar 3 drawn at 160	1 bar drawn correctly	H25
4(c)	**1**	**PS**	**Less**	**OE eg lower**	**H23**
4(d)	**1**	**PS**		**OE any 1 of 10 parts shaded**	**N10**
4(e)	**1**	**PS**	$\frac{9}{10}$	**OE eg nine tenths or 9/10**	**N10**
4(f)	**1**	**PS**	**Colour** **Size / Black / White** **Small / 1 / 2** **Large / 2 / 2**	**All values correct for 1 mark**	**H24**
4(g)	**1**	**UPS**	**24 (cm)**	**CAO**	**N3**
Total marks	**8**				

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