



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

Mark scheme: Paper 13

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.

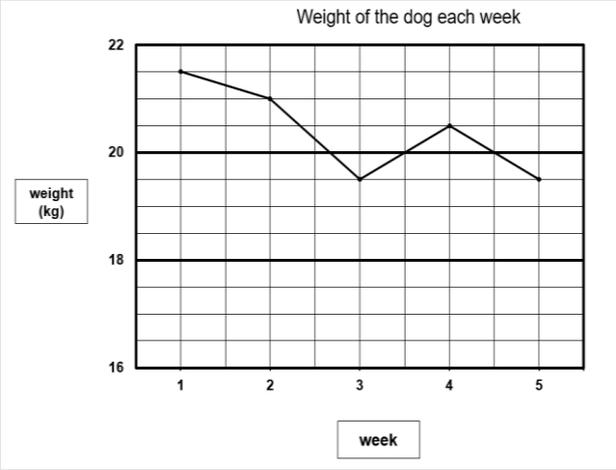
- The mark scheme must be referred to throughout the marking period and applied consistently. Do not change your approach to marking once you have been standardised.
- Reward learners positively giving credit for what they have shown, rather than what they might have omitted.
- Utilise the whole mark 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 ie 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	Three hundred and thirty two	Accept spelling error as long as meaning is clear	N1a
1 (b)	2	PS	158 (dogs)	Working must be seen for full marks	
	1		644 – 486	OE method	N2b
	1		158 (dogs)	CAO	N2b
1 (c)	1	UPS	2 (months)	Accept 2 correct months named Accept written or indicated on chart	H22
1 (d)	1	PS	7 (months)	Accept 7 correct months named Accept written or indicated on chart	H22
1 (e)	2	PS	(£) 192	Award full marks if correct answer seen	
	1		16 x 12	OE method	N4
	1		(£) 192	CAO	N4
1 (f)	2	PS	£27.15	Award full marks if correct answer seen	
	1		14.65 + 12.5	OE method	M10
	1		£27.15	CAO – must include correct monetary notation Accept only £27.15 Do not accept 27.15p or £27.15p	M10
1 (g)	1	UPS	B indicated only	Accept mark other than tick	M19a
Total marks	10				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
2 (a)	1	PS	B indicated only	Accept mark other than tick	M15
2 (b)	1	PS	1.7 km	CAO	M14a
2 (c)	3	PS	No and 12.30 (pm)	Decision without reason is 0 marks OE decision and valid numerical reason eg no and (only) 35 (minutes)	
	1		11.50 + 40	OE to show evidence of measuring time accurately	M12b
	1		...12.30 (pm)	OE valid numerical reason eg...(only) 35 (minutes)	M12b
	1		No and 12.30 (pm)	OE No and (only) 35 (minutes) OE format eg half past twelve	M12b
2 (d)	1	UPS	C indicated only	Accept mark other than tick Accept indication on image	M20
2 (e)	1	UPS	(£) 1.7 (0)	CAO	M11
2 (f)	1	PS	B indicated only	Accept mark other than tick	M12a
2 (g)	2	PS	979 (visitors)	Award full marks if correct answer seen	
	1		358 + 621	OE method	N2a
	1		979 (visitors)	CAO	N2a
Total marks	10				

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3 (a)	1	UPS	39.5 °C	CAO	M14d
3 (b)	1	UPS	3.25 (kg)	Accept 3.25 kg indicated on image	N8
3 (c)	1	UPS	Any 2 tablets indicated only	Accept mark other than tick	N7
3 (d)	3	PS		<p>OE accurate chart with both axis labels</p> <p>All points plotted correctly</p>	
	1		Week in horizontal axis and Weight (kg) in vertical axis	OE suitable labels as long as mathematically correct eg week number (horizontal) weight of dog in kg (vertical)	H23
	1		At least 3 values plotted correctly	Accept any indication of plotting each value correctly	H23
	1		All values plotted correctly and plot points joined	Accept line drawn freehand	H23
3 (e)	1	PS	(Between weeks) 3 and 4	Allow FT from their graph	H22
3 (f)	3	PS	$300 + 400 + 100 = 800$	OE method of checking	
	1		300 and 400 and 100	Rounded values seen	N5
	1		$300 + 400 + 100$	Accept their rounded values in their method	N2a
	1		$300 + 400 + 100 = 800$	Accept FT from their values and method	N2a
Total marks	10				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC								
4 (a)	1	UPS	A indicated only	Accept mark other than tick	M13								
4 (b)	3	PS	<table border="1"> <thead> <tr> <th>Service</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>full groom</td> <td>7</td> </tr> <tr> <td>nail clip</td> <td>3</td> </tr> <tr> <td>bath</td> <td>6</td> </tr> </tbody> </table>	Service	Frequency	full groom	7	nail clip	3	bath	6	<p>All rows correct (accept any order)</p> <p>Do not accept tally without frequency value</p>	
Service	Frequency												
full groom	7												
nail clip	3												
bath	6												
	1		Any row correct		H21								
4 (c)	1	UPS	400 ml	CAO	M14b								
4 (d)	1	PS	C indicated only	Accept mark other than tick	M17								
4 (e)	1	PS	B indicated only	Accept mark other than tick	M20								
4 (f)	3	PS	12 (pound coins)	Award full marks if correct answer seen									
	1		$132 \div 20$	OE method	N3								
	1		6 (.60) (piles of pound coins)	Imp if correct answer seen	N3								
	1		12 (pound coins)	Allow correct remainder from their $132 \div 20$ if seen	N3								
Total marks	10												