



# **NCFE Entry Level 3 Functional Skills Qualification in Mathematics**

## **(603/5061/1)**

Mark scheme: Paper 14

### **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.

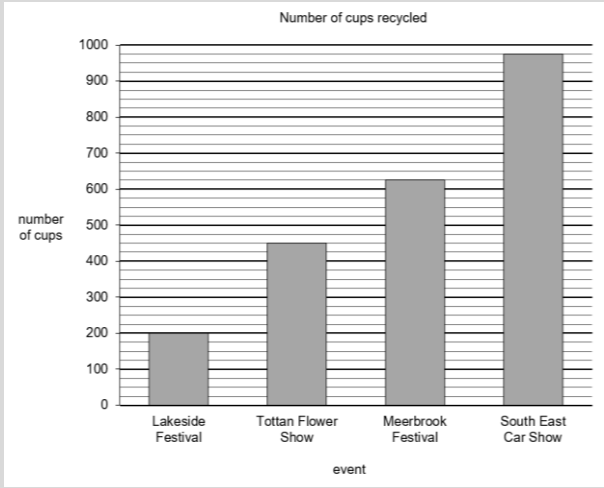
- The mark scheme must be referred to throughout the marking period and applied consistently. Do not change your approach to marking once you have been standardised.
- Reward learners positively giving credit for what they have shown, rather than what they might have omitted.
- Utilise the whole mark 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:

<b>Annotation</b>	<b>Explanation and use</b>
<b>FT</b>	Follow through marks are applied when there are earlier mistakes in the method.
<b>OE</b>	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 $\frac{1}{2}$ .
<b>CAO</b>	Correct answer only.
<b>Their</b>	'Their' refers to the learners' own values.
<b>Seen</b>	Seen refers to the requirement to see the stated value in the learner's response or working out.
<b>Imp</b>	Implied refers to the learner's response implying correct working out used but not seen.
<b>Brackets</b>	Indicates units are not required on final answers or for answers seen within working.
<b>BOD</b>	Benefit of doubt where learner handwriting may be difficult to interpret but previous working may indicate correct final answer.
<b>Shaded</b>	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
<b>1 (a)</b>	<b>2</b>	<b>PS</b>	<b>922 (tents)</b>	<b>Working must be seen for full marks</b>	
	1		153 + 169 + 268 + 332	OE method	N2a
	1		922 (tents)	CAO	N2a
<b>1 (b)</b>	<b>2</b>	<b>PS</b>	<b>2017 and 2019 only</b>	<b>Accept written or indicated on chart</b>	
	1		2017 <b>or</b> 2019		H22
<b>1 (c)</b>	<b>2</b>	<b>PS</b>	<b>9.40 pm</b>	<b>Award full marks if correct answer seen</b>	
	1		10.30 – 50 (minutes) <b>or</b> 9.40 without pm	OE to show evidence of measuring time accurately  OE format eg 20 (minutes) to 10	M12b
	1		9.40 pm	CAO – must include correct 12hr format	M12c
<b>1 (d)</b>	<b>1</b>	<b>UPS</b>	<b>C indicated only</b>	<b>Accept mark other than tick</b>	<b>M20</b>
<b>1 (e)</b>	<b>2</b>	<b>PS</b>	<b>245 (leaflets each)</b>	<b>Award full marks if correct answer seen</b>	
	1		982 ÷ 4	OE method	N3
	1		245 (leaflets each)	CAO	N3
<b>1 (f)</b>	<b>1</b>	<b>PS</b>	<b>2 (leaflets left over)</b>	<b>Allow correct answer if seen in 1e</b>  <b>Allow correct remainder from their answer to 1e</b>	<b>N3</b>
<b>Total marks</b>	<b>10</b>				

Section B Activity 2	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
<b>2 (a)</b>	<b>2</b>	<b>PS</b>	<b>(£) 120</b>	<b>Award full marks if correct answer seen</b>	
	1		15 x 8	OE method	N4
	1		(£) 120	CAO	N4
<b>2 (b)</b>	<b>3</b>	<b>PS</b>	<b>£36.70</b>	<b>Award full marks if correct answer seen</b>	
	1		90 – 35.5 or 90 – 17.8	OE method	M10
	1		Their 54.5 – 17.8 or their 72.2 – 35.5	OE method	M10
	1		£36.70	CAO – must include correct monetary notation Accept only £36.70 Do not accept 36.70p or £36.70p	M10
<b>2 (c)</b>	<b>1</b>	<b>UPS</b>	<b>16 cm</b>	<b>CAO</b>	<b>M14a</b>
<b>2 (d)</b>	<b>1</b>	<b>UPS</b>	<b>Two hundred and two</b>	<b>Accept spelling error as long as meaning is clear</b>	<b>N1a</b>
<b>2 (e)</b>	<b>1</b>	<b>UPS</b>	<b>Any 2 seats indicated only</b>	<b>Accept mark other than tick</b>	<b>N7</b>
<b>2 (f)</b>	<b>2</b>	<b>PS</b>	<b>124 (people)</b>	<b>Award full marks if correct answer seen</b>	
	1		315 – 191	OE method	N2b
	1		124 (people)	CAO	N2b
<b>Total marks</b>	<b>10</b>				

Section B Activity 3	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC
3 (a)	1	UPS	C indicated only	Accept mark other than tick	M13
3 (b)	1	UPS	A indicated only	Accept mark other than tick	M17
3 (c)	3	PS	 <p>OE accurate chart with suitable scale</p> <p>All bars drawn correctly</p>		
	1		Scale showing 0–1000	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
3 (d)	2	PS	$320 + 570 = 890$	OE method of checking	
	1		320 and 570	Rounded values seen	N5
3 (e)	2	PS	<b>£62.25</b>	<b>Award full marks if correct answer seen</b>	
	1		$19.5 + 14.25 + 28.5$	OE method	M10
	1		£62.25	CAO – must include correct monetary notation Accept only £62.25 Do not accept 62.25p or £62.25p	M10
3 (f)	1	UPS	C indicated only	Accept mark other than tick	M15
<b>Total marks</b>	<b>10</b>				

Section B Activity 4	Marks	UPS/PS	Process and Answer	Additional or Alternative Evidence (with guidance)	SC										
4 (a)	1	UPS	B indicated only	Accept mark other than tick	M18										
4 (b)	3	PS	No and (he has) 0.6 kg/600 g	Decision without reason is 0 marks OE decision and valid numerical reason eg No and 100 g less											
	1		0.7 kg	Imp. comparison to 700 g	M16										
	1		....(he has) 0.6 kg/600 g	Reading scale	M14c										
	1		No and (he has) 0.6 kg/600 g	OE eg No and 100 g less	M16										
4 (c)	2	PS	22 (boxes)	Award full marks if correct answer seen											
	1		$132 \div 6$	OE method	N3										
	1		22 (boxes)	CAO	N3										
4 (d)	1	UPS	D indicated only	Accept mark other than tick	N8										
4 (e)	2	PS	<table border="1"> <thead> <tr> <th>Food item</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>doughnut</td> <td>8</td> </tr> <tr> <td>veggie burger</td> <td>13</td> </tr> <tr> <td>chips</td> <td>14</td> </tr> <tr> <td>salad</td> <td>4</td> </tr> </tbody> </table>	Food item	Frequency	doughnut	8	veggie burger	13	chips	14	salad	4	All rows correct (accept any order)  Do not accept tally without frequency value	
Food item	Frequency														
doughnut	8														
veggie burger	13														
chips	14														
salad	4														
	1		Any 2 rows correct		H21										
	1		All 4 rows correct		H21										
4 (f)	1	UPS	C indicated only	Accept mark other than tick	M19a										
<b>Total marks</b>	<b>10</b>														