# NCFE Level 1 Functional Skills Qualification in Mathematics (603/5055/6)

## Mark scheme: P002125  OS 23

**Assessment window:** On demand

## v1.4 Post-standardisation  Refresher

# Examiner Mark Scheme Guidance

## Information

This guidance is intended to support NCFE examiners in the valid, reliable and consistent application of the relevant mark scheme version, against learner evidence generated during their external assessment.

This mark scheme provides:

- the total marks available for each question
- the subject content reference for each mark
- example process/methods and evidence of the types of responses expected for each mark
- (once confirmed) the pass mark for the relevant assessment version.

This mark scheme **must** be used for paper-based and online marking of the assessment version indicated.

## Instructions and guidance on application

- All learners must receive the same treatment and should be marked fairly. Examiners must mark the first learner in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Learners must be rewarded for what they have shown they can do rather than penalised for things they have not done.
- Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Half marks must not be awarded.
- Examiners should be prepared to award zero marks if the learner's response is not worthy of credit according to the mark scheme.
- The mark scheme is a working document and may be added to at the standardisation to reflect valid alternative answers given by a learner.
- When in doubt regarding the application of the mark scheme to a learner's response, the Chief Examiner must be consulted.

This mark scheme provides the following information:

- section and activity information
- question number
- total marks available per question (top row, shaded) followed by
- attribution of individual marks per question
- problem solving (PS) and underpinning skill (UPS) attribution
- process/method or answers, as well as additional or alterative evidence; indicative of the subject content (SC) attribution
- any additional guidance, as required.

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 arithmetic 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 ½. |
|---|---|
| CAO | Correct answer only. |
| Their | 'Their' refers to the learners' own derived 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. |
| Coloured SC box | **On-screen only:** indicates where SC ref will appear out of order in the Learning Outcomes marking screen |

**Version Control**

Mark schemes are subject to version control. Examiners **must** ensure they have access to the latest version following each standardisation event.

Over time mark schemes will incorporate additional evidence captured and confirmed during standardisation events. Any additional evidence criteria will be captured in colour-coded text applicable to the dated standardisation event.

**Recording of marks**

*Paper-based:* Individual marks should be annotated in the 'Examiner' column in the learner script, added up and recorded at the end of each activity. The overall marks awarded for each learner should be clearly and legibly recorded in the grid on the front of the learner script.

*Online:* Onscreen marking tools (i.e. ticks, crosses) marks should be applied to indicate application throughout the learner script, in addition to marks being recorded numerically within the corresponding 'Learning Outcomes' box, indicated by the relevant Subject Content reference.

| Annotation | Explanation and use |
|---|---|
| Tick | Used to indicate correct values/method or final answer. |
| Red highlight | Used to indicate where the learner has made an error in either the value used or an incorrect calculation. |
| Red line box | Used to indicate where the learner may have made an error that has resulted in benefit of doubt being applied i.e. transposition of figures but previous working clearly shows otherwise. |

| | | | | | |
|---|---|---|---|---|---|
| **Paper number: P002125** | | | **Version:** 1.4 | | **Pass mark: 38** |

| | | | | | |
|---|---|---|---|---|---|
| **(Section A) Activity 1: Storage units** | | | **(Non-calculator Test)** | | |
| **Q** | **Marks** | **UPS / PS** | **Process and Answer** | **Additional or Alternative Evidence (with guidance)** | **SC** |
| **1 (a)** | **1** | UPS | 1325.48 ÷ 25.49 | CAO | N4 |
| **1 (b)** | **1** | UPS | 49 | CAO | N6 |
| **1 (c)** | **3** | PS | (£)231.20 | Award 3 marks if correct answer given from correct methods and accurate values if working seen | |
| | **Alternative method 1 – Total first** | | | | |
| | 1 | | (£)289 | CAO | N3a |
| | 1 | | Their 289 × 0.8 or 231.2 OR their 289 × 0.2 or 57.8 | OE Any full correct method to find discount or price with discount for 10 weeks FT their 289 from correct method 231.2 or 57.8 implies 1st mark | M19 |
| | 1 | | (£)231.20 | FT the correct answer to their 289 × 0.8 2dp required | M19 |
| | **Alternative method 2 – Discount first** | | | | |
| | 1 | | 28.9(0) × 0.8 OR 28.9(0) × 0.2 or 5.78 | OE Any full correct method to find discount or price with discount for one week | M19 |
| | 1 | | (£)23.12 | CAO 23.12 implies 1st mark Award if 231.2 seen | M19 |
| | 1 | | (£)231.20 | FT the correct answer to their 23.12 × 10 if seen 2dp required | N3a |
| | **Alternative method 3 – Number of weeks first (not expected at Level 1)** | | | | |
| | 1 | | 10 × 0.8 or 8 (chargeable weeks) OR 10 × 0.2 or 2 (weeks free) | OE Any full correct method to find the number of chargeable weeks or rent-free weeks | M19 |
| | 1 | | Their 8 × 28.9(0) or 231.2 | OE Any full correct method to find total price FT their 8 from correct method 213.2 implies 1st mark | M19 |
| | 1 | | (£)231.20 | CAO 2dp required | N3a |
| **1 (d)** | **5** | PS | See below | Award 5 marks if one of the correct answers given from correct methods and accurate values if working seen | |
| | **Alternative method 1 – Comparing storage space** | | | | |
| | 1 | | 40 (m³ total storage needed) | CAO (volume of one box × 1000) | N3a |

| | 1 | | 2 × 7.5 × 4 | OE Any full correct method to find volume of storage unit | M23 |
|---|---|---|---|---|---|
| | 1 | | 15 or 30 or 60 (m³) | CAO<br>15 from 2 × 7.5 or 30 from 4 × 7.5<br>60 implies 2nd mark | N11b |
| | 1 | | Their 60 × 3 ÷ 4 or 45 (m³) | OE Any correct method to find fraction of volume<br>FT their 60 from correct method to find volume<br>45 implies 2nd and 3rd marks | N9 |
| | 1 | | Yes AND 40 (m³) and 45 (m³) | OE Yes supported by correct working<br>FT Their decision from correct method for volume and fraction | M23 |

**Alternative method 2 – Comparing fractions or percentages**

| | 1 | | 40 (m³ total storage needed) | CAO (volume of one box × 1000) | N3a |
|---|---|---|---|---|---|
| | 1 | | 2 × 7.5 × 4 | OE Any full correct method to find volume of storage unit | M23 |
| | 1 | | 15 or 30 or 60 (m³) | CAO<br>15 from 2 × 7.5 or 30 from 4 × 7.5<br>60 implies 2nd mark | N11b |
| | 1 | | $\dfrac{40}{\text{their } 60}$ and $\dfrac{45}{\text{their } 60}$<br>OR<br>66(.666)(%) or 67(%) and 75(%)<br>OR<br>0.66 or 0.67 and 0.75 | OE Fractions that allow a direct comparison<br>Accept method of finding fraction OE of same integer<br>FT their 40 from a correct method to multiply by 1000 if seen<br>FT their 60 from correct method to find volume<br>Any pair of correct values implies 1st three marks | N9 |
| | 1 | | Yes AND $\dfrac{40}{60}$ and $\dfrac{45}{60}$<br>OR<br>Yes AND 0.66 and 0.75<br>OR<br>Yes AND 66(.666)(%) or 67(%) and 75(%) | OE Yes supported with correct working<br>OE Fractions that allow a direct comparison<br>FT Their decision from correct method for volume and fraction | M23 |

**Alternative method 3 – Finding $\dfrac{3}{4}$ of any dimension first (not expected at Level 1)**

| | 1 | | 40 (m³ total storage needed) | CAO (volume of one box × 1000) | N3a |
|---|---|---|---|---|---|
| | 1 | | 2 × 3 ÷ 4 or 1.5<br>OR<br>7.5 × 3 ÷ 4 or 5.625<br>OR<br>4 × 3 ÷ 4 or 3 | OE Any full correct method to find $\dfrac{3}{4}$ of any one dimension | N9 |
| | 1 | | Their 1.5 × 7.5 × 4<br>OR<br>2 × their 5.625 × 4<br>OR<br>2 × 7.5 × their 3 | OE Any full correct method to find volume of storage unit<br>FT their 1.5 and their 5.625 and their 3 from correct method | M23 |
| | 1 | | 11.25 or 30 or 22.5 or 15 or 45 | CAO<br>11.25 from 1.5 × 7.5 or from 2 × 5.625<br>30 from 7.5 × 4 | N11b |

5

| | | | | 22.5 from $5.625 \times 4$ or from $7.5 \times 3$<br>15 from $2 \times 7.5$<br>45 implies 2nd and 3rd marks | |
|---|---|---|---|---|---|
| | 1 | | Yes AND 40 (m³) and 45 (m³) | OE Yes supported by correct working<br>FT Their decision from correct method for volume and fraction | M23 |

**Alternative method 4 – Reverse process (not expected at Level 1)**

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 40 (m³ total storage needed) | CAO (volume of one box × 1000) | N3a |
| | 1 | | Their $40 \div 3 \times 4$ or 53(333…) (m³) | OE Any full correct method to apply reverse process with fraction<br>FT their 40 from a correct method<br>Infinite decimal not expected at Level 1 but award mark if seen<br>53(.333) implies 1st mark | N9 |
| | 1 | | $2 \times 7.5 \times 4$ | OE Any full correct method to find volume of storage unit | M23 |
| | 1 | | 15 or 30 or 60 (m³) | 15 from $2 \times 7.5$ or 30 from $4 \times 7.5$<br>60 implies 3rd mark | N11b |
| | 1 | | Yes AND 60 (m³) and 53(333…) (m³) | OE Yes supported by correct working<br>FT Their decision from correct method for volume and fraction | M23 |

**Alternative method 5 – Comparing number of boxes**

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | $2 \times 7.5 \times 4$ | OE Any full correct method to find volume of storage unit | M23 |
| | 1 | | 15 or 30 or 60 (m³) | CAO<br>15 from $2 \times 7.5$ or 30 from $4 \times 7.5$<br>60 implies 1st mark | N11b |
| | 1 | | Their $60 \div 0.04$ or 1500 (boxes) | OE Any full correct method to work how many boxes fill the storage unit<br>FT their 60 from correct method to find volume | M23 |
| | 1 | | Their $1500 \times 3 \div 4$ or 1125 (boxes) | OE Any correct method to find fraction of number of boxes<br>FT their 1500 from correct method to find number of boxes<br>1125 implies 1st three marks | N9 |
| | 1 | | Yes AND 1125 (boxes) | OE Yes supported by correct working<br>FT Their decision from correct method for volume and fraction | N3a |
| **1 (e)** | **3** | **UPS** | 4.03 | Award 3 marks if correct answer given from correct methods and accurate values if working seen | |
| | 1 | | 20.15 | CAO | N11a |
| | 1 | | $(4.12 + 3.9 + 4.07 + 4.1 + 3.96) \div 5$<br>OR<br>Their $20.15 \div 5$ | OE Any full correct method<br>Allow $4.12 + 3.9 + 4.07 + 4.1 + 3.96 \div 5$<br>FT their 20.15 from correct method | H29a |
| | 1 | | 4.03 | FT their 20.15 from correct method | N11b |

| 1 (f) | 2 | PS | Exactly AND $\frac{8}{20}$<br>OR<br>Exactly AND 55(%) and 40(%)<br>OR<br>Exactly AND 0.55 and 0.4 | Award 2 marks if correct answer given | |
| | 1 | | $\frac{8}{20}$<br>OR<br>55(%) and 40(%)<br>OR<br>0.55 and 0.4 | OE Allow any fractions which allow a direct comparison<br>Accept method of finding fraction of same value | H30b |
| | 1 | | Exactly AND $\frac{8}{20}$<br>OR<br>Exactly AND 55(%) and 40(%)<br>OR<br>Exactly AND 0.55 and 0.4 | OE Exactly supported by correct working | H30b |


| (Section B) Activity 2:  Singing lessons | | | | (Calculator Test) | |
|---|---|---|---|---|---|
| Q | Marks | UPS / PS | Process and Answer | Additional or Alternative Evidence (with guidance) | SC |
| 2 (a) | 2 | UPS | 0.52 and 52(%) | Award 2 marks if correct answer given | |
| | 1 | | 0.52 or 52(%) | CAO One correct value seen for dec / % (with or without an incorrect value for % / dec) | N16 |
| | 1 | | 0.52 and 52(%) | FT Correct answer from their dec or their % if mark 1 not awarded | N16 |
| 2 (b) | 3 | PS | See below | Award 3 marks if correct answer given from correct methods and accurate values if working seen | |
| | **Alternative method 1 – Converts times to consistent units** | | | | |
| | 1 | | 0.75 (hrs)<br>OR<br>1 (hr) 15 (mins) or 75 (mins)<br>OR<br>1.75 (hrs) or 1 (hr) 45 (mins) or 105 (mins)<br>OR<br>2 (hrs) or 120 (mins) | OE any 1 valid time conversion or total time required or total time available<br>Do not award mark for incorrect use of decimal eg 1.15<br>1.75 (hrs) OE from 8.15 – 6.30<br>2 (hrs) OE from 0.75 + 1.25 (hrs) OE | M20e |
| | 1 | | 1 (hr) 45 (mins) and 2 (hrs)<br>OR<br>1.75 (hours) and 2 (hrs)<br>OR<br>105 (mins) and 120 (mins)<br>OR<br>8.30 (pm)<br>OR<br>6.15 (pm) | OE any comparable correct times in consistent format or correct start time or end time<br>Correct time(s) implies 1st mark<br>Do not award mark for incorrect use of decimal eg 1.45<br>8.30 from 6.30 + 2 hrs<br>6.15 from 8.15 – 2 hrs<br>Accept eg 8:30 (pm) format<br>Any correct pair of values or 8.30 (pm) or 6.15 (pm) implies 1st mark<br>Award mark for 20:30 or 18:15 | M20e |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | No AND 1 (hr) 45 (mins) and 2 (hrs)<br>OR<br>No AND 1.75 (hours) and 2 (hrs)<br>OR<br>No AND 105 (mins) and 120 (mins)<br>OR<br>No AND 8.30 (pm)<br>OR<br>No AND 6.15 (pm) | OE No supported by correct working<br>FT correct decision from their values<br>Do not award mark for incorrect use of decimal eg 1.45<br>Accept eg 8:30 (pm) format<br>Award mark for 20:30 or 18:15 | M20e |

**Alternative method 2 – Add or subtract times**

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 7.15 (pm) or 7.45 (pm)<br>OR<br>7.30 (pm) or 7 (pm) | OE Correct answer to adding one time onto 6.30 (pm) or subtracting one time from 8:15 (pm)<br>Or one incorrect calculation followed by a correct calculation<br>e.g. 8.40 (pm) from 6.30 + 1.25 = 7.55 (pm) then 7.55 (pm) + 45 minutes = 8.40 (pm)<br>7.15 (pm), 7.45(pm), 7.30(pm) or 7(pm) must come from correct method shown below if seen<br>7.15 (pm) from 6.30 (pm) + 45 minutes<br>7.45 (pm) from 6.30 (pm) + 1.25 hours<br>7.30 (pm) from 8.15 (pm) – 45 minutes<br>7 (pm) from 8.15 (pm) – 1.25 hours | M20e |
| | 1 | | 8.30 (pm)<br>OR<br>6.15 (pm) | OE Correct required start time or end time<br>8.30 (pm) or 20:30 or 6.15 (pm) or 18:15 implies 1st mark<br>Accept eg 8.30 (pm) format | M20e |
| | 1 | | No AND 8.30 (pm)<br>OR<br>No AND 6.15 (pm) | OE No supported by correct working<br>FT correct decision from their values<br>Accept eg 8:30 (pm) format<br>Award mark for 20:30 or 18:15 | M20e |
| 2 (c) | **2** | **UPS** | See additional guidance | | |
| | 1 | | 3 frequencies correct<br>OR<br>4 frequencies with 2 frequencies correct which sum to 20 | | H28a |
| | 1 | | Fully correct table | CAO | H28a |

Additional Guidance
10, 12, 14, 16, 18, 22, 24, 26, 30, 32, 34, 35, 40, 41, 48, 50, 51, 65, 74, 82

| Age in years | Frequency |
|---|---|
| 10 – 29 | 8 |
| 30 – 49 | 7 |
| 50 – 69 | 3 |
| 70 – 89 | 2 |
| **Total:** | 20 |

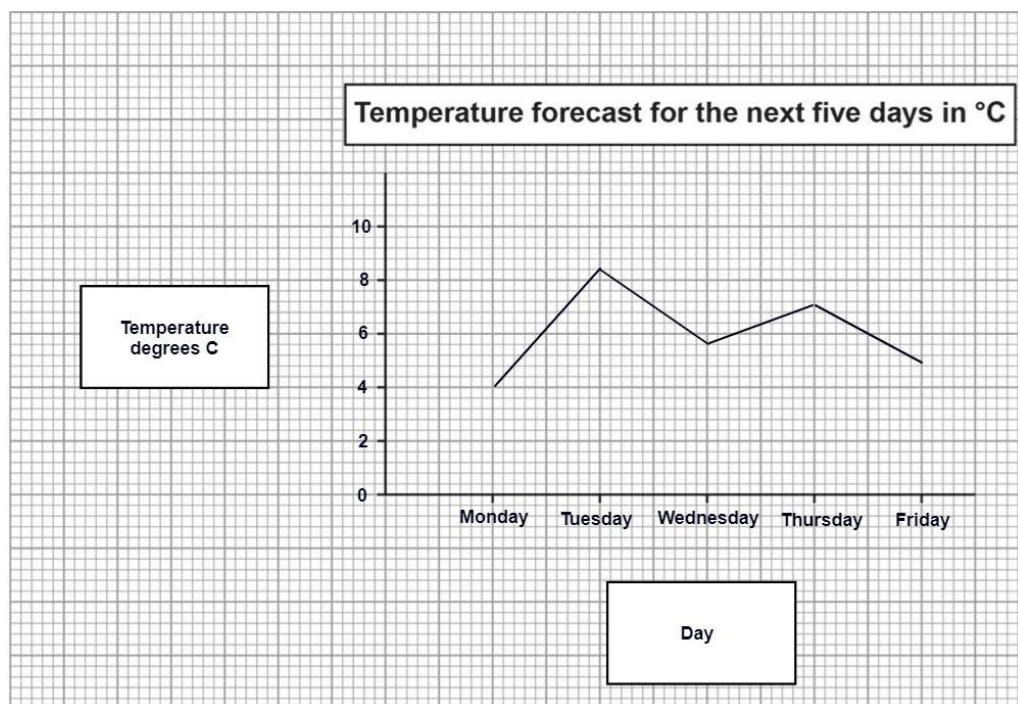| | | | | | |
|---|---|---|---|---|---|
| **2 (d)** | **2** | **PS** | No AND 5 (solo performances)<br>OR<br>No AND 16 (songs in total)<br>OR<br>No AND 1 : 4 | Award 2 marks if correct answer given | |
| | 1 | | 20 ÷ (1 + 3) or 5 (solo performances)<br>OR<br>4 × (1 + 3) or 16 (songs in total)<br>OR<br>4 × 3 or 12 (group performances required)<br>OR<br>1 : 4 | OE Any full correct method to apply ratio 1 : 4 from 4 : 16 | N17 |
| | 1 | | No AND 5 (solo performances)<br>OR<br>No AND 16 (songs in total)<br>OR<br>No AND 1 : 4 | OE No supported with correct working | N17 |
| **2 (e)** | **6** | **PS** | See below | | |
| | 1 | | 1.75 (m)<br>OR<br>300 (cm)<br>OR<br>180 (cm)<br>OR<br>800 (cm)<br>OR<br>12 500 (cm$^2$) | CAO<br>Uses consistent units<br>Converting square units is not expected at Level 1 but award mark if seen<br>1.75 may be implied by 4.75 | M20a |
| | 1 | | 8 – 1.8 – 1.8 or 4.4 (m)<br>OR<br>(8 – 1.8 – 1.8) ÷ 2 or 2.2 (m)<br>OR<br>their 1.75 + 3 or 4.75 (m) | OE Any correct method to find length of missing side in whole shape or half shape<br>Missing lengths may be seen in subsequent working<br>Must come from an attempt to work out missing length and not a perimeter attempt<br>OE Consistent units<br>4.75 implies 1st mark | M24b |
| | 1 | | 8 × their 1.75 or 14<br>OR<br>3 × their 4.4 or 13.2<br>OR<br>8 × their 4.75 or 38<br>OR<br>1.8 × 3 or 5.4<br>OR<br>(1.8 + 1.8) × 3 or 10.8<br>OR<br>their 4.75 × their 4.4 or 20.9<br>OR<br>their 4.75 × their 2.2 or 10.45<br>OR<br>1.8 × their 1.75 or 3.15<br>OR<br>1.8 × their 1.75 × 2 or 6.3 | OE Any correct method to find area of any one rectangle.<br>FT their 1.5 or 4 or 4.5 from correct methods<br>OE Consistent units<br>14 or 13.2 or 38 or 20.9 or 10.45 or 10.8 or 3.15 or 6.3 implies 2nd mark | M22a |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | Their 14 + their 13.2 or 27.2 OR their 38 – their 5.4 – their 5.4 or their 38 – their 10.8 or 27.2 OR their 3.15 + their 3.15 + their 20.9 or 2 × (their 3.15 + their 10.45) or 27.2 OR their 14 AND their 13.2 OR their 3.15 AND their 10.45 OR their 6.3 AND their 20.9 | OE Any full correct method to calculate total area or the area of two relevant rectangles FT their area values from correct method | M22a |
| | 1 | | Their 27.2 ÷ 1.25 or 272 000 ÷ their 12 500 or 21.76 OR their 14 ÷ 1.25 or 11.2 AND their 13.2 ÷ 1.25 or 10.56 OR their 6.3 ÷ 1.25 or 5.04 AND their 20.9 ÷ 1.25 or 16.72 | OE Any correct method to work with proportion Their value must be from a correct method to find any area  Use of proportion with area in cm$^2$ not expected at Level one but award mark if seen | N17 |
| | 1 | | 21 (singers) | CAO Award 1 mark only for an answer of 21 without any working | N12 |

| Activity 3: North Coast 500 | | | | (Calculator Test) | |
|---|---|---|---|---|---|
| Q | Marks | UPS / PS | **Process and Answer** | **Additional or Alternative Evidence (with guidance)** | SC |
| 3 (a) | **1** | UPS | Three hundred (and) forty one thousand seven hundred (and) twenty five | Accept any recognisable spelling Allow forty-one and/or twenty-five | N1a |
| 3 (b) | **2** | PS | (£)1291.50 | Award 2 marks if correct answer given | |
| | 1 | | 1230 × 1.05 or 1291.5 OR 1230 × 0.05 or 61.5 | OE Any full correct method to find interest or total amount | M18 |
| | 1 | | (£)1291.50 | CAO 2dp required | M18 |
| 3 (c) | **4** | PS | 5 (days) | Award 4 marks if correct answer given from correct methods and accurate values if working seen | |
| | **Alternative method 1 – Forward process** | | | | |
| | 1 | | 516 × 1.6 or 825.6 or 826 OR 516 ÷ 76.8 or 6.71875 | OE Any correct method to apply one stage of formula Answers involving more than 3dp not expected at Level 1 but award if seen | N5 |
| | 1 | | 516 × 1.6 ÷ 76.8 or their 825.6 ÷ 76.8 or their 6.71875 × 1.6 or 10.75 (hours) | OE Any full correct method to apply formula OE time format Accept 10.75(52…) from 826 ÷ 76.8 10.75 implies 1st mark | N5 |
| | 1 | | Their 10.75 ÷ 2.5 or 4.3 (days) | OE Any full correct method to work with proportion FT Their 10.75 after a correct method to apply formula 4.3 implies 1st two marks May be implied by correct number of days for their total hours | N17 |
| | 1 | | 5 (days) | CAO from correct methods and accurate values | N12 |
| | **Alternative method 2 – Reverse process** | | | | |
| | 1 | | 2.5 × 76.8 or 192 OR 2.5 ÷ 1.6 or 1.5625 | OE Any correct method to apply one stage of formula in reverse Answers involving more than 3dp not expected at Level 1 but award if seen | N5 |
| | 1 | | 2.5 × 76.8 ÷ 1.6 or their 96 ÷ 1.6 or their 0.78125 × 76.8 or 120 (miles per day) | OE Any full correct method to apply formula OE time format 120 implies 1st mark | N5 |
| | 1 | | 516 ÷ their 120 or 4.3 (days) | OE Any full correct method to work with proportion FT Their 120 after a correct method to apply formula 4.3 implies 1st two marks May be implied by correct number of days for their total hours | N17 |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 5 (days) | CAO from correct methods and accurate values | N12 |

**Alternative method 3 –Using daily distance in kilometres in formula**

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 2.5 × 76.8 or 192 | OE Any correct method to work out total kilometres each day | N5 |
| | 1 | | 516 × 1.6 or 825.6 | OE Any correct method to apply one stage of formula | N5 |
| | 1 | | Their 825.6 ÷ their 192 or 4.3 (days) | OE Any full correct method to work with proportion | N17 |
| | 1 | | 5 (days) | CAO from correct methods and accurate values | N12 |
| 3 (d) | 2 | PS | No AND 6 (m)<br>OR<br>No AND 3.5 (cm)<br>OR<br>No AND (1 cm represents) 1.3(125) (m)<br>OR<br>No AND 1 : 1.3(125) (scale factor) | Award 2 marks if correct answer given | |
| | 1 | | 4 × 1.5 or 6 (m)<br>OR<br>5.25 ÷ 1.5 or 3.5 (cm)<br>OR<br>5.25 ÷ 4 or 1.3(125)<br>OR<br>1 : 1.3(125) (scale factor) | OE Any full correct method to work with scale<br>Decimal answers to 4 decimal places are not expected at Level 1 but award mark if seen | M21 |
| | 1 | | No AND 6 (m)<br>OR<br>No AND 3.5 (cm)<br>OR<br>No AND (1 cm represents) 1.3(125) (m)<br>OR<br>No AND 1 : 1.3(125) (scale factor) | OE No supporting by correct working | M21 |
| 3 (e) | 4 | PS | See below | | |
| | 1 | | Linear scale starting at zero | Must include data range<br><mark>Zero may not be seen.</mark> | H27d |
| | 1 | | Both axes correctly labelled | eg Temp(erature) (degrees C) or degrees,<br>AND<br>Day and each individual day on axis<br>Accept M, Tu, W, Th, F | H27d |
| | 1 | | At least 3 points correctly plotted | Scale must be linear and consistent throughout and must include data range<br>Mark intention<br>Allow ½ minor gridline tolerance<br>4, 8.4, 5.6, 7, 5<br><mark>Award this mark if bar chart drawn instead of line graph</mark> | H27d |
| | 1 | | All points correctly plotted | Scale must be linear and consistent throughout and must include data range<br>Mark intention<br>Allow ½ minor gridline tolerance | H27d |

Additional Guidance – 4, 8.4, 5.6, 7, 5

**Temperature forecast for the next five days in °C**

Temperature degrees C

Day

| Monday | Tuesday | Wednesday | Thursday | Friday |

| Q | Marks | UPS/PS | Process and Answer | | SC |
|---|---|---|---|---|---|
| **3 (f)** | **1** | UPS | 8 (°C) | CAO<br>Accept –8 °C | N2 |
| **3 (g)** | **1** | UPS | 46 | CAO | N7 |

| **Activity 4: Stationery** | | | | **(Calculator)** | |
|---|---|---|---|---|---|
| **Q** | **Marks** | **UPS / PS** | **Process and Answer** | **Additional or Alternative Evidence (with guidance)** | **SC** |
| **4 (a)** | **3** | **PS** | Yes AND 96 000 and 94 500 | Award 3 marks if correct answer given from correct methods and accurate values if working seen | |
| | 1 | | 160 000 × 0.6 or 96 000<br>OR<br>96 (k) | OE Any full correct method to find 60% | N14 |
| | 1 | | 210 000 × 0.45 or 94 500<br>OR<br>94.5 (k) | OE Any full correct method to find 45% | N14 |
| | 1 | | Yes AND 96 000 and 94 500<br>Accept 96k and 94.5k | OE Yes supported with correct working<br>Accept 96k and 94.5k | N13 |
| **4 (b)** | **3** | **PS** | 18 (packets) | Award 3 marks if correct answer given from correct methods and accurate values if working seen | |
| | 1 | | 2.5 (kg)<br>OR<br>45 000 (g) | CAO conversion | M20b |
| | 1 | | Their 45 000 ÷ 2500<br>OR<br>45 ÷ their 2.5 | OE Any correct method to apply proportion<br>FT Their 45 000 or 2.5 from correct method to convert if seen | N17 |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 18 (packets) | CAO | N17 |
| 4 (c) | 1 | UPS | (£)12.46 | CAO | H29b |
| 4 (d) | 1 | UPS | B indicated only | CAO | M25b |
| 4 (e) | 4 | PS | See below | | |
| | 1 | | $\dfrac{11}{15}$ | CAO<br>Accept 11 over 15 or 11 out of 15<br>May be seen or implied in subsequent working<br>If 0.73(… seen or 73(%)<br>Do not accept use of 0.7. | N8a |
| | 1 | | 6 (kg) | CAO rounded value<br>May be seen in subsequent working | N15 |
| | 1 | | 11 × their 6 ÷ 15 | OE Any full correct method to find fraction of total weight<br>FT Their 6<br>Accept use of 5.563, 5.56 or 5.6 only | N9 |
| | 1 | | 4.4 (kg) | Correct estimated value<br>FT Their 6<br>Accept use of 5.56 or 5.6 only if 2nd mark not awarded<br>4.07(733…) from 11 × 5.56 ÷ 15<br>4.10(666…) from 11 × 5.6 ÷ 15<br>Infinite decimals are not expected at level 1 but award mark if seen<br>Accept any correctly rounded or truncated answers to either of these values.<br><br>Do not accept 4.1 correctly rounded from accurate answer 4.07(953…) seen<br>Award 1 mark only for 4.4 seen without working.<br>Accept 4.38 from use of 0.73. Accept 4.398 from use of 0.733. | N15 |

14

| 4 (f) | 2 | PS | 78 (boxes) | Award 2 marks if correct answer given | |
|---|---|---|---|---|---|
| | 1 | | Any indication of recognising each major gridline is worth 12 OR Any indication of recognising each minor gridline is worth 3 OR Frequencies for months 2 to 4 seen | OE <table><tr><td>Month</td><td>Number sold</td></tr><tr><td>(1)</td><td>(9)</td></tr><tr><td>2</td><td>18</td></tr><tr><td>3</td><td>24</td></tr><tr><td>4</td><td>27</td></tr></table> | H27c |
| | 1 | | 78 (boxes) | CAO | H27c |
| 4 (g) | 1 | UPS | $\frac{7}{42}$ or $\frac{1}{6}$ | OE Fraction | H31 |

Level 1 – P002125-P23 onscreen v1.4