wjec cbac

GCSE MARKING SCHEME

AUTUMN 2023

GCSE MATHEMATICS – NUMERACY UNIT 2 – FOUNDATION TIER 3310U20-1

INTRODUCTION

This marking scheme was used by WJEC for the 2023 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

PMT

WJEC GCSE MATHEMATICS – NUMERACY

AUTUMN 2023 MARKING SCHEME

GCSE Numeracy Unit 2: Foundation Tier	Mark	Comments
1(a) No and suitable reason given e.g. 'because on Friday he walked less than 10000 steps' 'because Friday is (only) 9754' 'because Friday is below 10000'	E1	Ignore spurious comments if No indicated and an appropriate reason is given. Allow the following with no indicated: 'because Friday is less' 'didn't walk 10000 on Friday' 'Friday didn't walk to 10000' 'Friday didn't achieve 10000' 'The first 4 days he did but the last day he only got a 4-digit number' 'because Friday was 9000' Do not allow 'Yes' indicated with a reason e.g. 'Glen has achieved his target' 'Friday is nearly 10000' 'he has achieved at least 10000 steps because 9754 is closer to 10000 than 9000 if rounded up'
1(b) 8285 (steps)	B2	 Allow embedded answers such as 58285 - 8285 = 50000 Award B1 for any one of the following: 10672 + 13586 + 12341 + 11932 + 9754 - 50000 subtracting 50000 from an attempt at adding the 5 given values 58285 - 50000 58285
1(c) 13600	B1	
2(a)(i) 08:22 or 8:22 (a.m)	B2	 Allow 08:22 a.m Allow 08:22 - 08:47 as an indication that it is the 08:22 train from Bridgend. Allow indication that it is the train that arrives at Cardiff at 08:47 or arrives at Cardiff at 8:47 (a.m) Award B1 for (0)8:22 p.m sight of (0)8:50 (a.m) (0)8:47 (a.m) (i.e. doesn't state that it arrives at Cardiff at (0)8:47 (a.m) (0)8:57 (a.m)

Workings may be seen in or by the table If B3 not awarded:Workings may be seen in or by the table If B3 not award B2 for: $(0)8:26 (a.m.)$ $2 B minsWard B2 for:(2)826 (a.m.)2 B minsIf both answer lines are incorrect or noanswer is given, then award B2 for sight of alla correct of 3 correct and 1incorrect) OR 3 correct times for the length ofjourney with our emission.2(b)(Caz's Cafe = (£2.49 + 95p + 80p) × 5 or equivalent(£)21.2(0)M1A12(b)(Caz's Cafe = (£2.49 + 95p + 80p) × 5 or equivalent(£)21.2(0)M1A1(Binon's Sandwiches 3.50 × 5 =) (£)17.5(0)(Saving 21.20 - 17.50 =) (£)3.7(0)B1B1FT their stated or derived 21.20' - their stated orderived 17.50' provided at least one mark previouslywarded and not any value given in the questionused and 2 costs have been stated or calculated andthe saving is > 0.Misuse of units can be penalised in OCW2(b)(Saving per day) (£)2.49 + 95(p) + 80(p) - (£)3.5(0)(£)3.7(0)M1A1M1Misuse of units can be penalised in OCW2(b)(Saving stor the week) 5 × 74(p)(£)3.7(0)M1(£)3.7(0)FT 5 × their 74(p)' provided M1 previously awardedMisuse of units can be penalised in OCW2(b). Organisation and communicationOC1For OC1, candidates will be expected to:•present their response in a structure way• explain to the response in a structure way• explain to $	2(a)(ii) (0)8:26 (a.m.) AND 28 mins	B3	Answer lines take precedence
If B3 not awarded: Award B2 for: • (0)8/26 (a.m.) • 28 mins • (1)08/26 (a.m.) • (1)07/43 (a.m.)AND 25 mins • (0)7/43 (a.m.)AND 26 mins • (0)8/26 p.m. (20) (21) (20) (21) (20) (31) (20) (20) (20) (20) (20) (20) (20) (20) (Workings may be seen in or by the table
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(£)21.2(0)A1If M0 A0 award SC1 for sight of (£)4.24(Simon's Sandwiches 3.50 × 5 =) (£)17.5(0)B1(Saving 21.20 - 17.50 =) (£)3.7(0)B1B1FT 'their stated or derived 17.50' provided at least one mark previously awarded and not any value given in the question used and 2 costs have been stated or calculated and the saving is > 0.2(b) Alternative methodTreat use of 7 days as a misread.(Saving per day) (£)2.49 + 95(p) + 80(p) - (£)3.5(0) 74(p) or (£)0.74M1A1Allow for sight of 0.74 or 74 If M0 A0 award SC1 for appropriate sight of (£)4.24(Savings for the week) 5 × 74(p) (£)3.7(0)M1A1FT 5 × 'their 74(p)' provided M1 previously awarded Misuse of units can be penalised in OCW2(b). Organisation and communicationOC1VritingFor OC1, candidates will be expected to: • present their response • lay out their explorate in a structured way • explain to the reader what they are doing at each step of their exponse • lay out their explanations and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer meansWritingW1For W1, candidates will be expected to: • show all their working • make few, if any, errors in spelling, punctuation and grammar • use opropriate terminology, units, etc.	$(Caz's Café = (£2.49 + 95p + 80p) \times 5 or equivalent$	M1	(4.24 × 5)
If M0 A0 award SC1 for sight of (£)4.24(Simon's Sandwiches 3.50 × 5 =) (£)17.5(0)B1B1FT 'their stated or derived 21.20' – 'their stated or derived 17.50' provided at least one mark previously awarded and not any value given in the question used and 2 costs have been stated or calculated and the saving is > 0.2(b) Alternative methodTreat use of 7 days as a misread.(Saving per day) (£)2.49 + 95(p) + 80(p) – (£)3.5(0) T4(p) or (£)0.74M1 A1(Savings for the week) 5 × 74(p) (£)3.7(0)M1 (£)3.7(0)2(b). Organisation and communicationOC12(b). Organisation and communicationOC1VittingFor OC1, candidates will be expected to: • splan to their esponse • lay out their explanations and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer meansWritingW1For W1, candidates will be expected to: • show all their working • use appropriate terminology, units, etc.	(£)21.2(0)	A1	
(Simon's Sandwiches $3.50 \times 5 = 1$ (£)17.5(0) (Saving $21.20 - 17.50 = 1$ (£) $3.7(0)$ B1 B1 B1FT 'their stated or derived $21.20' - 1$ their stated or derived $17.50'$ provided at least one mark previously awarded and not any value given in the question used and 2 costs have been stated or calculated and the saving is > 0 . Misuse of units can be penalised in OCW $2(b)$ Alternative methodTreat use of 7 days as a misread. (£) $2.49 + 95(p) + 80(p) - (£)3.5(0)$ $74(p)$ or (£) $0.74'$ M1 A1FT 5 $\times 10^{-1}$ (£) $4.24 - (£) = 10^{-1}$ (£) $4.24'$ (Savings for the week) $5 \times 74(p)$ (£) $3.7(0)$ M1 A1FT 5 $\times 10^{-1}$ or 74 misuse of units can be penalised in OCW2(b). Organisation and communicationOC1For OC1, candidates will be expected to: $- present their response in a structured way- explain to the reader what they are doing at eachstep of their response- 1a work they are doing at eachstep of their explanations and working in a way thatis clear and logical- write a conclusion that draws together their resultsand explains what their answer meansWritingW1For W1, candidates will be expected to:- show all their working- write a correct mathematical form in their working- was correct mathematical form in their working- was correct mathematical form in their working- was correct mathematical form in their working$			If M0 A0 award SC1 for sight of (£)4.24
(Saving 21.20 - 17.50 =) (£)3.7(0)B1FT their stated or derived 21.20' - their stated or derived 17.50' provided at least one mark previously awarded and not any value given in the question used and 2 costs have been stated or calculated and the saving is > 0. Misuse of units can be penalised in OCW2(b) Alternative method (Saving per day) (£)2.49 + 95(p) + 80(p) - (£)3.5(0) 74(p) or (£)0.74M1 A1Treat use of 7 days as a misread.(Savings for the week) 5 × 74(p) (£)3.7(0)M1 A1FT 5 × their 74(p)' provided M1 previously awarded M1 previously awarded M1 M22(b). Organisation and communicationOC1For OC1, candidates will be expected to: • present their response in a structured way • explain to the reader what they are doing at each step of their response • lay out their explanations and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer meansWritingW1For W1, candidates will be expected to: • show all their working • use correct mathematical form in their working • use appropriate terminology, units, etc.	(Simon's Sandwiches 3.50 × 5 =) (£)17.5(0)	B1	
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awarded and not any value given in the question used and 2 costs have been stated or calculated and the saving is > 0. <u>2(b)</u> Alternative method Misuse of units can be penalised in OCW <u>2(b)</u> Alternative method Treat use of 7 days as a misread. (Saving per day) (£)2.49 + 95(p) + 80(p) - (£)3.5(0) 74(p) or (£)0.74 M1 A1 (£)4.24 - (£)3.50 A1 Allow for sight of 0.74 or 74 (Savings for the week) 5 × 74(p) (£)3.7(0) M1 A1 FT 5 × their 74(p)' provided M1 previously awarded M1 FT 5 × their 74(p)' provided M1 previously awarded A1 Misuse of units can be penalised in OCW 2(b). Organisation and communication OC1 For OC1, candidates will be expected to: • present their response in a structured way • explain to the reader what they are doing at each step of their response • lay out their explanations and working in a way that is clear and logical • writing W1 For W1, candidates will be expected to: • show all their working • make few, if any, errors in spelling, punctuation and grammar • use correct mathematical form in their working			derived 17.50' provided at least one mark previously
used and 2 costs have been stated or calculated and the saving is > 0. <u>2(b) Alternative method</u> (Saving per day) (£)2.49 + 95(p) + 80(p) - (£)3.5(0) 74(p) or (£)0.74 A1 (£)4.24 - (£)3.50 A11 (£)4.24 - (£)3.50 A11 (Savings for the week) 5 × 74(p) (£)3.7(0) (£). Organisation and communication OC1 For OC1, candidates will be expected to: • present their response • lay out their explanations and working in a way that is clear and logical Writing Writing Writing Writing			awarded and not any value given in the question
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A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1A1 <td>(Saving per day) (£)2.49 + 95(p) + 80(p) – (£)3.5(0)</td> <td>M1</td> <td>$(\pounds)4.24 - (\pounds)3.50$</td>	(Saving per day) (£)2.49 + 95(p) + 80(p) – (£)3.5(0)	M1	$(\pounds)4.24 - (\pounds)3.50$
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Misuse of units can be penalised in OCW2(b). Organisation and communicationOC1For OC1, candidates will be expected to: • present their response in a structured way • explain to the reader what they are doing at each step of their response • lay out their explanations and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer meansWritingW1For W1, candidates will be expected to: • show all their working • make few, if any, errors in spelling, punctuation and grammar • use correct mathematical form in their working • use appropriate terminology, units, etc.	(z)3.7(0)	AI	
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2(b): Organisation and communication• or of the organisation and communication• present their response in a structured way • explain to the reader what they are doing at each step of their response • lay out their explanations and working in a way that is clear and logical • write a conclusion that draws together their results and explains what their answer meansWritingW1WorkingFor W1, candidates will be expected to: • show all their working • make few, if any, errors in spelling, punctuation and grammar • use correct mathematical form in their working • use appropriate terminology, units, etc.	2(b) Organisation and communication	001	For OC1, candidates will be expected to:
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 snow all their working make few, if any, errors in spelling, punctuation and grammar use correct mathematical form in their working use appropriate terminology, units, etc. 	vvriting	VV1	For w1, candidates will be expected to:
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use appropriate terminology, units, etc.			yialiiiidi
• use appropriate terminology, units, etc.			• use contect mathematical form in their working
			- use appropriate terminology, units, etc.

- () ()		
3(a)(i) (For Aber to Cwm:) 6 (miles) (5.9 to 6.1)	B2	For B2, FT 'their distance measured' × 0.5 correctly
	22	evaluated provided the distance is in the range 11.8 to 12.2 cm
		Award B1 for:
		 distance measured as 12(cm) (±2mm) 'their stated distance measured outside the range 11.8 to 12.2 cm' × 0.5 correctly evaluated
3(a)(ii) (For Abor to Borth to Dipas:)		
4 (miles) (3.8 to 4.2)	B2	FT 'their distance measured' × 0.5 correctly evaluated provided the distance is in the range 7.6 to 8.4 cm
		Award B1 for:
		 Total distance measured as 8(cm) (±4mm) 2 distances seen as 3(cm) (±2mm) AND 5(cm) (±2mm)
		 'their stated distance measured outside the range 7.6 to 8.4 cm' × 0.5 correctly evaluated 1.5 (miles) or 2.8 to 3.2(cm) × 0.5 correctly
		 evaluated (for Aber to Borth) 2.5 (miles) or 4.8 to 5.2 (cm) × 0.5 correctly evaluated (for Borth to Dinas)

3(b) (Perimeter=) 106 + 68 + 106 + 68 or equivalent 348 (m)	M1 A1	
5000 ÷ 348 or 348 × 15 or 348 × 14	M1	Division may be seen as repeated addition/subtraction or repeated trials. Allow 348 × 13 (= 4524) Allow 348 × 16 (= 5568) FT 'their derived perimeter' including partial perimeter but not use of 106 or 68 Use of area gains no marks
15 (laps)	A2	Accept a unique embedded answer for A2 or A1 e.g. Award A2 if only 348 × 15 = 5220 seen e.g. Award A1 if only 348 × 14 = 4872 seen
		Award A1 if both 348 × 15 = 5220 AND 348 × 14 = 4872 seen with no final answer given for the number of laps.
		Award A1 for 14 or 14.4 or 14.37 or 14.3(6) or 14.5 seen.
		FT 5000 ÷ 'their 348' for possible A2 or A1. On FT, award A2 provided they have rounded up to the nearest whole number. Otherwise award A1 for a correctly evaluated answer for 5000 ÷ 'their 348' without rounding up.
		If on FT the answer is a whole number with no rounding required award A1 only.
		For use of partial perimeter of 174cm $5000 \div 174 = 29$ laps award M0A0M1A2 $5000 \div 174 = 28.7$ award M0A0M1A1If trials used (apply in line with the MS above):• For 174 × 29 = 5046Award M0A0M1A2• For 174 × 28 = 4872Award M0A0M1A1• For 174 × 27 (= 4698) Award M0A0M1A0• For 174 × 30 (= 5220) Award M0A0M1A0
		Note: if 4872 seen from repeated addition but 28 laps not seen award M0A0M1A0 (need a value for the number of laps or an embedded value of the number of laps)
4.		Ignore any incorrect units given. Workings may be on the diagram.
(22.5 (cm) ÷ 2·5) 9 (inches)	B1	May be implied
9 × 3.75 + 2.25 36 and no indicated	M1 A1	FT 'their derived 9' provided \neq 22.5 FT appropriate response from 'their 9' Allow rounded or truncated answers on FT with the appropriate response.
<u>4. Alternative method</u>		Ignore any incorrect units given. Workings may be on the diagram.
((37 – 2.25) ÷ 3.75 =) 9.2(6)	B1	May be implied. Rounded or truncated
9.2(6) × 2.5 23(.16666) and no indicated	M1 A1	<i>FT 'their derived 9.2(6).' provided ≠ 37</i> <i>Accept answers in the range 23 to 23.25</i>

PMT	

5.		Penalise -1 once only if incorrect units given <u>Note:</u> All parts need to be looked at as final answer
		does not imply all 4 marks
3 × 1000(g) and 2 × 600(g) and 4 × 175(g) (3000 and 1200 and 700)	M1	Allow mixed units for M1
4900 (g) or 4.9 (kg)	A1	CAO. This may be implied by sight of 5180 or 5.18
(4900 + 280 or 4.9 + 0.28 =) 5180 (g) or 5.18 (kg)	B1	FT 'their 4.9kg or 4900g' provided M1 awarded and at least 2 of 3000 and 1200 and 700 have been added to 280
(£)22.90	B1	FT 'their total mass' for costs of signed and 1 st class including if mass of box omitted. (Note: cost for 4.9kg without box is £16.85)
		Unsupported answer of (\pounds) 22.90 award final B1 only
		Award M2A0B1 for 3000 + 1200 + 700 + 280 seen but not the final mass and state costs as £22.90,
		Award M1A1B0B1 for mass as 4900g or 4.9kg and box not added on but write the costs as $(\pounds)22.90$ or $(\pounds)16.85$.
		For working with individual costs of the total mass of each type of candle and do not consider the box, M1 can be awarded plus: Award SC1 for final answer of (£)33.87 (from 16.85 + 10.02 + 7)
		For working with individual costs for each individual candle plus a box for each candle (the mass of each candle & box not given) Award SC2 for ($6 \times \pounds 7 + 3 \times \pounds 10.02 =$) (\pounds)72.06 OR Award SC1 for $6 \times \pounds 7 + 3 \times \pounds 10.02$
		For working with the costs for each individual candle (mass of the candles not given) and no marks awarded (M0A0B0B0), award SC1 for (9 × \pounds 7=) (\pounds)63
5. Alternative method for those adding the mass of the box initially		Penalise -1 once only if incorrect units given <u>Note</u> : All parts need to be looked at as final answer does not imply all 4 marks
3 × 1000(g) + 2 × 600(g) + 4 × 175(g) + 280(g) (3000 + 1200 + 700 + 280)	М2	 Allow mixed units for M1 or M2. Award M1 for one of the following: a sum of 3 out of the 4 terms with one of the 3 being 280g. sum of 4 terms with one product incorrect
5180 (g) or 5.18 (kg)	A1	FT from M1 only for their correctly evaluated sum
(£)22.90	B1	FT 'their total mass' for costs of signed and 1 st class
		Unsupported answer of (£)22.90 award final B1 only

6		Anawar anagaa taka progodonoo throughout
o. Number of units 730	B1	Answer spaces take precedence throughout
Charge for units 730 × (0.)19	M1	For use of 730 or a strict FT 'their 730' from the first entry in the bill Award for sight of digits 1387(0)
(£) 138.7(0)	A1	Must be in pounds
Standing charge (3 × £6.50 =) (£) 19.5(0) Total charges (£) 158.2(0)	B1 B1	Must be in pounds FT 'their 138.7(0)' + 'their 19.50' correctly evaluated, i.e. the sum of their 2 previous entries FT if total charges was previously given in the standing charge box, provided 'their cost of units' + 19.50 is correctly evaluated
VAT at 5% (£) 7.91	B1	Must be in pounds FT 5% of 'their 158.2(0)' correctly evaluated
Amount to pay (£) 166.11	B1	 FT provided B1 for total charges and B1 for VAT are both previously awarded, or is correctly evaluated 'their total charges' × 1.05 On FT throughout, allow rounded or truncated to a penny.
7(a) 5 × 42 – (40 + 37 + 39 + 48) or 210 – 164 or equivalent OR	M2	May be shown in stages Allow missing brackets as the intention to subtract
40 + 37 + 39 + 48 + = 5 × 42 or 164 + = 210		 M1 for sight of any one of the following: 5 × 42 or 210 (mm) the idea that (40 + 37 + 39 + 48 + x) ÷ 5 = 42, where x may be a gap, variable or a trial
(Friday) 46 (mm)	A1	CAO. Do not award from incorrect working Answer space takes precedence Do not allow an embedded answer
7(a) <u>Alternative methods</u> <u>(</u> Difference from mean) 42 + 2 + 5 + 3 – 6 OR	М2	
(Contributions to the mean each day) $5 \times (42 - \frac{40}{5} - \frac{37}{5} - \frac{39}{5} - \frac{48}{5})$ or equivalent (= 5 × 9.2)		M1 for $42 - \frac{40}{5} - \frac{37}{5} - \frac{39}{5} - \frac{48}{5}$
(Friday) 46 (mm)	A1	CAO. Answer space takes precedence

7(b) 5 × 42 ÷ 7 or 210 ÷ 7	M1	Allow 'their 46' from (a) has been truncated or
		rounded, FT any of the following:
		• 'their 5 × 42' ÷ 7
		• ('their 40 + 37 + 39 + 48' + 'their 46') ÷ 7
		• (164 + 'their 46') ÷ 7
30 (mm)	A1	Answer space takes precedence
		On FT, accept rounded or truncated answers
		provided working is shown
8. (Volume of the ornament is)	M2	Allow also any of the following:
$\frac{1}{3} \times 15 \times 15 \times 30$ or $\frac{1}{3} \times 6750$ or $6750 - \frac{2}{3} \times 6750$		• 0.33(3) × 15 × 15 × 30
or equivalent		• 6750 – 0.66(6) × 6750
		• 6750 – 0.67 × 6750
		M1 for sight of any of the following, or equivalents:
		• (Volume of the box is) $15 \times 15 \times 30$ (= 6750 cm ³)
		• $0.3 \times 15 \times 15 \times 30$ (= 2025 cm ³)
		• $\frac{7}{3} \times 15 \times 15 \times 30$ (= 4500 cm ³)
		• $0.6 \times 15 \times 15 \times 30$ (= 4050 cm ³)
		• $0.00 \times 15 \times 15 \times 30$ (- 4455 cm ³)
		• $0.07 \times 15 \times 15 \times 30$ (= 4522.5 cm ³)
2250 (cm ³)	A2	embedded
		A1 for any of the following:
		• (15 × 15 × 30 =) 6750 (cm ³)
		May be embedded in an inappropriate calculation
		 'their 15 × 15 × 30' ÷ 3 correctly evaluated
		• (0.3(33) × 15 × 15 × 30)
		$2025 \text{ (cm}^3) \leq \text{ their answer } < 2250 \text{ (cm}^3)$
		• $(\frac{7}{3} \times 6/50 =)$ 4500 (Cm ³)
		• $(0.0 \times 15 \times 15 \times 30 \ 10 \ 0.7 \times 15 \times 15 \times 30)$ $4050 \ (\text{om}^3) \le (\text{their onewor} \le 4725 \ (\text{om}^3)$
		$4000 (CIII) \ge CIII allower \ge 4720 (CIII)$ • sight of a correct product with only 1 stage of
		calculation to evaluate. e.g.
		○ 225 × 10
		o 5 × 450
		○ 15 × 150
		o 75 × 30

9(a) (Sale price) 45 – 0.18 × 45 or 45 × (1 – 0.18)	M1	
or 45 – 8.1(0) or 45 × 0.82 (£)36.9(0)	A1	May be seen or implied in further working
$\begin{array}{l} (\text{Maggie's mum pays}) \\ 8 \times 36.9(0) \div (8 + 1) \text{ or } 36.9(0) - 36.9(0) \div (8 + 1) \\ 8 \times 4.1(0) \text{ or } 36.9(0) - 4.1(0) \\ (\pounds)32.8(0) \end{array}$	M1 A1	FT 'their £36.90' On FT allow rounded or truncated to a penny
9(a) <u>Alternative method</u> (Maggie's mum's share of original price) 8 × 45 ÷ (8 + 1) or 45 - 45 ÷ (8 + 1) (£) 40 (Maggie's mum pays) 40 - 0.18 × 40 or 40 × (1 - 0.18) or 40 - 7.2(0) or 40 × 0.82 (£)32.8(0)	M1 A1 M1 A1	May be seen or implied in further working FT 'their £40' On FT allow rounded or truncated to a penny
	M4	
9(b) (Area) $\frac{1}{2} \times 1.5 \times (3.1 + 4.5)$ 5.7 (m ²)	A1	Accept rounding to 6 (m ²) May be seen or implied in further working
(Charge) 2.5(0) × 5.7	M1	FT 'their 5.7' (including if previously rounded to 6), including if 'their 5.7' is not an area Allow if 'their area' is costed in parts provided there is an attempt to sum all of the part costs, provided 'their $5.7' \neq 1.5, 3.1$ or 4.5
(£) 14.25	A1	CAO
10(a) a = 54° b = 54° c = 78°	B1 B1 B1	Answer spaces take precedence, if blank check the diagram FT 'their a' FT 132 – 'their a' or 132 – 'their b'
10(b) (10 ×) 29 × 30 ÷ 12 or equivalent or for an answer of 72.5	M2	Allow embedded with an incorrect change of units Allow (10 ×) 2.4(16) × 30 M1 for any one of the following: • 30 ÷ 12 (= 2.5) • 29 ÷ 12 (= 2.4166) • sight of 2.4, 2.41, 2.416(6) or 2.42 • sight of (1 inch =) 2.5 (cm)
725 (mm)	A1	Answer space takes precedence Allow answers in the range 720 (mm) to 726 (mm) from premature approximation, not from incorrect working
11(a) 8 × 1172 ÷ 5 or 1172 × 1.6	M1	Do not allow 1172 × 1.5
1875.2 (km)	A1	Accept 1875 (km) from correct working Answer space takes precedence
11(b) 0.366 × 1000 ÷ 60 6.1 (m/s)	M1 A1	Accept 6 (m/s) from correct working Answer space takes precedence