## GCSE MARKING SCHEME

AUTUMN 2020

GCSE<br>MATHEMATICS - NUMERACY UNIT 2 - HIGHER TIER 3310U60-1

## INTRODUCTION

This marking scheme was used by WJEC for the 2020 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.

## WJEC GCSE MATHEMATICS - NUMERACY

## AUTUMN 2020 MARK SCHEME

| GCSE Mathematics Numeracy Unit 2: Higher Tier | Mark | Comments |
| :---: | :---: | :---: |
| 1. |  | Sight of, for example, 3500 or 0.0405 are treated as MR-1 (from first accuracy mark) in addition to any place value error in 'their 3.4 million' |
| $\left(35000\right.$ acres $\sim$ ) $35000 \times 0.00405141 .75\left(\mathrm{~km}^{2}\right)$ | $\begin{aligned} & \text { M1 } \\ & \text { A1 } \end{aligned}$ | Allow 141.8 <br> May be implied by further working |
| (Food per $\mathrm{km}^{2}$ ) $3400000 \div 141.75$ | M1 | Allow 3.4 (million) $\div 141.75$ <br> Allow place value error in 'their 3.4 million' FT 'their 141.75', provided derived from a calculation involving 35000 and 0.00405 |
| Following correct working, answers in the range 23975 (tonnes) to 24000 (tonnes) | A1 | (Actual answer is 23985.89... tonnes) Do not FT from place value error in 'their 3.4 million' FT for equivalent range, e.g. use of 141.8 gives 23977(. 433 tonnes)) so accept answers in the range 23977 to 24000 tonnes |
| 1. Alternative method 1 : (tonnes / acre) $3400000 \div 35000$ | M1 | Allow 3.4 (million) $\div 35000$ <br> Allow place value error in 'their 3.4 million' |
| 97.1(428....) | A1 | Do not FT from place value error in 'their 3.4 million' May be implied by further working |
| (per $\mathrm{km}^{2}$ ) 97.1(428....) $\div 0.00405$ | M1 | FT from place value error in 'their 3.4 million' FT 'their 97.1(428....)' provided derived from a calculation involving 3400000 and 35000 |
| Following correct working, answers in the range 23975 (tonnes) to 24000 (tonnes) | A1 | (Actual answer is 23985.89... tonnes) Note: Accuracy for place value error in 'their 3.4 million' must be penalised once only on first occurrence |
| 1. Alternative method 2 : <br> $3400000 \div 0.00405$ | M1 | Allow 3.4 (million) $\div 0.00405$ Allow place value error in 'their 3.4 million' |
| 839506172.8(...) | A1 | Do not FT from place value error in 'their 3.4 million' May be implied by further working |
| 839506172.8(...) $\div 35000$ | M1 | FT from place value error in 'their 3.4 million' FT 'their 839506172.8(....)' provided derived from a calculation involving 3400000 and 0.00405 |
| Following correct working, answers in the range 23975 (tonnes) to 24000 (tonnes) | A1 | (Actual answer is 23985.89... tonnes) Note: Accuracy for place value error in 'their 3.4 million' must be penalised once only on first occurrence |


| Organisation \& Communication <br> Writing | OC1 | For OC1, candidates will be expected to: <br> - present their response in a structured way <br> - explain to the reader what they are doing at each <br> step of their response <br> - lay out their explanations and working in a way that is clear and logical <br> - write a conclusion that draws together their results and explains what their answer means <br> For W 1 , candidates will be expected to: <br> - show all their working <br> - make few, if any, errors in spelling, punctuation and grammar <br> - use correct mathematical form in their working <br> - use appropriate terminology, units, etc. |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { 2. (Aged } 75 \text { or over who used internet) } \\ & (0.4 \times 286500=) \\ & \begin{array}{c} \text { (Population who used the internet) } \\ (0.85 \times 3150000=) \\ \frac{114600}{2677500} \quad(\times 100) \\ \\ \end{array} \quad 2677500 \\ & \end{aligned}$ | B1 <br> B1 <br> M1 <br> A2 | May be implied in further working. <br> May be implied in further working. <br> FT provided both $0.4 \times 286500$ and $0.85 \times 3150000$ attempted <br> Must be correct to 2 significant figures. <br> A1 for 4.28(0...\%) or from correct working 4(\%) or 4.2(\%) <br> If no marks, award SC1 for an answer of 9.1(\%) from $\frac{286500}{3150000} \times 100$ <br> If B1 awarded, also award SC1 for 3.638...(\%) or 10.7...(\%) or with appropriate rounding or truncation OR SC2 for 3.6 (\%) or 11 (\%), <br> from: $\begin{aligned} & \frac{114600}{3150000} \times 100=3.638 \ldots(\%)=3.6(\%) \text { or } \\ & \frac{286500}{2677500} \times 100=10.7 \ldots(\%)=11(\%) \end{aligned}$ |
| 3(a) $375 \div 1.6$ or $375 \times 5 \div 8$ or equivalent 234(.375 mph) | $\begin{aligned} & \hline \text { M1 } \\ & \text { A1 } \end{aligned}$ | Allow use of $\div 1.6$ to $\div 1.613, \times 0.62$ to $\times 0.625$ <br> Accept 234.4 (mph) <br> Allow 234.3(...mph) |
|  | M1 <br> M1 <br> M1 <br> A1 | Method marks can be awarded in any order but the operation must be unique (not contradicted or repeated in the working) <br> (Lap distance km) <br> (Average lap time in hours) <br> (Average lap time in minutes) <br> Award M3 for sight of $260.5 \times 60$ $78 \times 155.552$ <br> CAO, accept rounded to 1.29 (minutes) or 1.3 (minutes) or 1 minute 17(.29...) seconds <br> If no marks, award SC1 for equivalent operations used without 260.5 or with use of an incorrect 260.5, i.e. $60 \quad, 60 \div 78 \div 155.552$ or equivalent $78 \times 155.552$ |
| 3(c) 250 | B1 |  |

\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
\[
3(d)
\]
\[
\begin{aligned}
250 \& \\
\& \times 1.148 \div 12
\end{aligned}
\] \\
17(.21... million €)
\end{tabular} \& M1
M1
M1

A1 \& | Method marks can be awarded in any order but the operation must be unique (not contradicted or repeated in the working) |
| :--- |
| Ignore place value errors in working with 'millions' for M marks $(=£ 181.1594 \ldots \text { million })$ $\text { ( }=€ 206.5217 \ldots \text { million })$ |
| Award M3 for sight of $\frac{250 \times 1.14}{1.38 \times 12}$ |
| CAO. Allow final answer written in full. |
| Allow 'millions' not written in the answer |
| If no marks, award SC1 for equivalent operations used without 250 , i.e. $\frac{1.14}{}$ or $1.38 \times 12$ |
| $1.14 \div 1.38 \div 12$ or equivalent | <br>

\hline | 4. |
| :--- |
| (Greatest total length of pictures) $\begin{gathered} 21.5+22.5+23.5+24.5+26.5 \\ \text { or } \quad 21+22+23+24+26+5 \times 0.5 \end{gathered}$ $(=) \quad 118.5(\mathrm{~cm})$ |
| (Lower bound of shelf) $117.5(\mathrm{~cm})$ |
| Difference of 1 cm stated or sight of $118.5-117.5=1(\mathrm{~cm})$ | \& | M1 |
| :--- |
| A1 |
| B1 |
| B1 | \& | Allow 0.4999 (....) for 0.5 throughout, must clearly be a recurring 9 digit |
| :--- |
| Allow for sight of upper bounds of pictures: 21.5(cm), 22.5(cm), 23.5(cm), 24.5(cm), 26.5(cm) |
| CAO from use of appropriate correct upper bounds and lower bound Accept FT from clearly recurring 9s, as $0.9999999 \ldots$ is considered as equivalent to 1 Accept 117.5-118.5 $=-1$ (cm) Allow 117.5-118.5 = 1(cm difference) |
| If no marks, award SC1 for correct sum of 'their upper bounds' provided they are all increased but less than 0.5 cm greater than the measurements given in the question | <br>


\hline | 5(a) $6550000000 \times 0.02$ or $6550000000 \div 50$ |
| :--- |
| (£) $1.31 \times 10^{8}$ | \& M1

A2 \& | A1 for (£) 131 million or $(£) 131000000$ or equivalent (e.g. $131 \times 10^{6}$ ) |
| :--- |
| If no marks, award SC1 for sight of |
| (£) $1.31 \times 10^{10}($ from $6550000000 \times 2)$ | <br>

\hline | $5(b) \quad \pi \times(25.9 \div 2)^{2} \times 2.03$ |
| :--- |
| Answer in the range $1068\left(\mathrm{~mm}^{3}\right)$ to $1070\left(\mathrm{~mm}^{3}\right)$ | \& M2

A1 \& | Allow M1 for sight of any of the following: |
| :--- |
| - $\quad \pi \times 25.9^{2} \times 2.03$ |
| - 4275.8 to 4279 |
| - 1361.7(...) $\pi$ |
| - $\quad \pi \times\left((25.9)^{2} \div 2\right) \times 2.03$ |
| - 2137.9(...) to 2139.(...) |
| - 680.8 т to $680.9 \pi$ |
| CAO. ISW |
| Accept an answer of 340.4(....) $\pi$ | <br>

\hline
\end{tabular}

| $\begin{aligned} & \text { 6(a) } \tan x=\frac{3.9}{56.7} \\ & (x=) \tan ^{-1} 3.9 / 56.7 \text { or }(x=) \tan ^{-1} 0.06878 \ldots \\ & (x=) 3.93\left({ }^{\circ}\right) \end{aligned}$ | M1 <br> m1 <br> A2 | A1 for ( $\mathrm{x}=$ ) 3.9(3... ${ }^{\circ}$ ) from correct working An unsupported answer of 3.9 is $\mathrm{MO}, \mathrm{mO}$, A0 |
| :---: | :---: | :---: |
| 6(a) Alternative method <br> (slant height ${ }^{2}=3.9^{2}+56.7^{2}, s=\sqrt{ } 3230.1$, <br> leading to) slant height 56.8(33... m) and $\begin{gathered} \text { either } \sin x=\frac{3.9}{56.8(33 \ldots)} \text { or } \cos x=\frac{56.7}{56.8(33 \ldots)} \\ (x=) \sin ^{-1}(3.9 / 56.8(33 \ldots)) \text { or } \cos ^{-1}(56.7 / 56.8(33 \ldots)) \\ (x=) 3.93\left(^{\circ}\right) \end{gathered}$ | M1 <br> m1 <br> A2 | A1 for ( $x=$ ) 3.9(3... ${ }^{\circ}$ to 3.9(7... ${ }^{\circ}$ ) from correct working <br> An unsupported answer of 3.9 is $\mathrm{MO}, \mathrm{mO}, \mathrm{AO}$ |
| 6(b) $56.7 \times 9.36 \div 3.9$ or $56.7 \times 2.4$ or equivalent $136(.08 \mathrm{~cm})$ | $\begin{aligned} & \text { M1 } \\ & \text { A1 } \end{aligned}$ | Ignore place value errors due to change of units for M1 only If units are given they must be correct, accept answer in metres <br> Allow answers from premature approximation in the range 136 (cm) to 136.1 (cm) |
| 6(b) Alternative method <br> (Height of poster $=$ ) $\left.\quad \tan \frac{9.36}{3.9(\ldots . . ~}{ }^{\circ}\right)$ <br> Answer in the range 136 (cm) to 137.3 (cm) | M1 A1 | FT from (a) <br> M0 for $\tan 3.9\left(\ldots . .{ }^{\circ}\right)=\underline{9.36}$ <br> Height of poster <br> If units are given they must be correct, accept answer in metres |
| 7(a) 45 (cars) | B1 |  |
| 7(b) Range correct (07:21 and 07:44) <br> UQ and LQ correct $(07: 22.5$ and 07:35) <br> Median correct $(07: 25)$ | B1 B1 B1 | Allow 07:21 to 07:22 and 07:44 to 07.45 <br> Accept seen in working if not given on the box-andwhisker <br> Accept seen in working if not given on the box-andwhisker <br> Penalise -1 if the structure of the box-and-whisker plot is not correct, ignore if end vertical lines not shown for whiskers |

\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
8(a) \\
\((\) Amount in account \(=) 2000 \times(1+0.0438 / 365)^{30}\) OR \(2000 \times 1.00012^{30}\)
\[
=(£) 2007.21(\ldots)
\]
\end{tabular} \& M2 \& \begin{tabular}{l}
Allow use of 365.25 or 366 \\
Use of 365.25 leads to 1.0001199... \\
Use of 366 leads to \(1.00011967 \ldots\) \\
M1 for 1 error (not omission) e.g. \\
- a place value error e.g. 4.38 instead of 0.0438, or \\
M1 for \((1+0.0438 / 365)^{30}\) \\
Note: Use of 12 with a power of 1 , instead of 365 with a power of 30 , would not be considered as 1 error as it is not of equivalent difficulty, and is M0 \\
CAO \\
Use of 365.25 leads to ( \(£\) ) 2007.20(7...) \\
Use of 366 leads to ( \(£\) ) 2007.19(...) \\
If no marks awarded, \\
SC1 for answers of: \\
- (£)2007.41(...) from use of \(4.5 \%, 365\) or \\
- (£)2007.40(5...) from use of \(4.5 \%, 365.25\) or \\
- (£)2007.39(...) from use of \(4.5 \%, 366\)
\end{tabular} \\
\hline \[
\begin{aligned}
\& 8(\mathrm{~b}) \\
\& (\mathrm{AER}=)\left(1+\frac{0.045}{12}\right)^{12}-1 \\
\& =4.59(\%)
\end{aligned}
\] \& \[
\begin{aligned}
\& \text { M1 } \\
\& \text { A2 }
\end{aligned}
\] \& \begin{tabular}{l}
A1 for 0.0459(39...\%) or 4.59(39...)\%, or A1 for 0.046 or \(4.6 \%\) or \(5 \%\) from correct working \\
If no marks awarded, SC1 for 4.47 (\%) (from use of nominal annual rate of 4.38\%. Must be to 2d.p.)
\end{tabular} \\
\hline \begin{tabular}{l}
9(a) \\
(Width of rectangle/Base of triangle =) 1.3 (m) \\
(Sloping length \({ }^{2}=\) ) \(1.5^{2}+0.65^{2}\) \\
Sloping length \({ }^{2}=2.6725\) or \\
(Sloping length \(=\) ) \(\sqrt{ } 2.6725\) \\
(Sloping length \(=\) ) 1.63(...) (m) \\
(Cost of wire mesh \(=\) )
\[
\begin{array}{cc}
(2 \times 0.5 \times 1.3 \times 1.5 \& 2 \times 1.63(\ldots) \times 4.2) \\
1.95 \mathrm{~m}^{2} \& 13.69 \text { to } 13.73(\ldots) \mathrm{m}^{2} \\
\begin{array}{ll}
(£) 10.92 \& (£) 76.66(\ldots) \text { to }(£) 76.91
\end{array} \& (\times 5.6(0))
\end{array}
\]
\[
=(£) 87.58 \text { to }(£) 87.83
\]
\end{tabular} \& B1
M1
A1

A1

M2

A1 \& | May be implied by use of 0.65 in further work |
| :--- |
| FT 'their 1.3/2' |
| FT from M1 for the correctly evaluated square root of 'their 2.6725' provided their answer > 1.5 If trigonometry used to calculate the sloping length, M 1 for base angle $=\tan ^{-1}(1.5 /(1.3 \div 2)) \quad\left(=66.5\left(71 \ldots{ }^{\circ}\right)\right)$ or apex angle $=\tan ^{-1}((1.3 \div 2) / 1.5) \quad\left(=23.4\left(28 \ldots{ }^{\circ}\right)\right)$ m 1 for correct rearrangement of a sin or cos equation using their base or apex angle with 1.5 or $1.3 \div 2$ |
| A1 for (Sloping length $=$ ) 1.63(...) (m) |
| FT 'their 1.63(...)' provided Pythagoras or trigonometry attempted and 'their 1.3' |
| M1 for |
| - $0.5 \times 1.3 \times 1.5+1.63(\ldots) \times 4.2$ or |
| - $\ldots \ldots+2 \times 1.63(\ldots) \times 4.2$ or |
| - $2 \times 1.63(\ldots) \times 4.2 \times 5.6(0)$ |
| OR |
| M1 for |
| - $2 \times 0.5 \times 1.3 \times 1.5+\ldots .$. or |
| - $2 \times 0.5 \times 1.3 \times 1.5 \times 5.6(0)$ |
| where Pythagoras or trigonometry may not have been attempted |
| FT from previous M2 only |
| Note: A sloping length of 1.6 (m) leads to an answer of (£)86.18(4) | <br>

\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
9(b) \(\sqrt[3]{\frac{27}{8}}\) or \(\sqrt[3]{\frac{8}{27}}\) OR \(\left(\frac{27}{8}\right)^{2}\) or \(\left(\frac{8}{27}\right)^{2}\) or 3:2 or \(2: 3\) or equivalent \\
\(\left(\sqrt[3]{\frac{27}{8}}\right)^{2}\) OR \(\left(\sqrt[3]{\frac{8}{27}}\right)^{2}\) or \(3^{2}: 2^{2}\) or \(2^{2}: 3^{2}\) or equivalent \\
(Area of wire mesh \(=\) ) \(3 \times\left(\sqrt[3]{\frac{27}{8}}\right)^{2}\) or equivalent
\[
=6.75\left(\mathrm{~m}^{2}\right)
\]
\end{tabular} \& B1
B1

M1

A1 \& | $\begin{aligned} & (=1.5 \text { or } 0.666 \ldots \text { OR } 11.3(9 \ldots) \text { or } 0.08(7 \ldots)) \\ & (=2.25 \text { OR } 0.444 \ldots) \end{aligned}$ |
| :--- |
| Accept $6.8\left(\mathrm{~m}^{2}\right)$ | <br>

\hline | 10. (Remaining balance $=$ ) $18000(1+0.0025)^{60}-237.84\left(\frac{(1+0.0025)^{60}-1}{0.0025}\right)$ $=(£) 5533.52(7 \ldots) \quad \text { AND }$ |
| :--- |
| e.g. 'No, Dafydd would not have enough to pay off the Ioan' | \& M2

A2 \& | $(=(£) 20909.10(\ldots)-(£) 15375.57(\ldots))$ |
| :--- |
| Each expression may be seen in stages |
| M1 for a subtraction involving 1 correct expression, OR for a subtraction with only one consistently substituted incorrect value |
| CAO |
| Accept rounded answers e.g. (£)5533 or (£)5534 |
| A1 for ( $£$ ) $5533.52(7 \ldots$...) or rounded answers without a correct conclusion, OR |
| A1 for a correct calculation of $(£) 15375.57(\ldots)$ | <br>

\hline \[
$$
\begin{aligned}
& \text { 11(a) } \\
& \begin{aligned}
&\left(\text { Distance travelled =) } \frac{85}{360} \times 2 \times \pi \times 110\right. \\
&=163 \text { to } 163.21(\mathrm{~cm})
\end{aligned}
\end{aligned}
$$

\] \& | M1 |
| :--- |
| A1 | \& Or $\frac{935 \pi}{18}$ or equivalent <br>

\hline full complete method using the sine rule to find the angle at the top of the triangle and then use of angles in a triangle

$$
=42 \cdot 6 \text { to } 42 \cdot 7(3 \ldots)\left({ }^{\circ}\right)
$$ \& M2

A1
M2

A1 \& | M1 for length ${ }^{2}=110^{2}+(110-16)^{2}-2 \times 110 \times(110-16) \times \cos 85\left({ }^{\circ}\right)$ |
| :--- |
| FT 'their derived 138(.324...)' |
| M1 for |
| - $\quad \underline{\sin (\text { angle })}=\underline{\sin 85\left({ }^{\circ}\right)}$ or equivalent or (110-16) 138(.324...) |
| - $\quad \sin ($ angle $)=\frac{\sin 85\left(^{\circ}\right)}{138(.324 \ldots)} \times(110-16)$ |
| OR |
| M1 for |
| - $(110-16)^{2}=110^{2}+138(.324 \ldots)^{2}$ $-2 \times 110 \times 138(.324 \ldots) \times \cos$ (angle) or |
| - $\cos ($ angle $)=\frac{110^{2}+138(.324 \ldots)^{2}-(110-16)^{2}}{2 \times 110 \times 138(.324 \ldots)}$ |
| OR M1 for finding the angle at the top of the triangle (52.2(6...) to $53\left({ }^{\circ}\right)$ ) |
| Accept $43\left(^{\circ}\right)$ from correct working | <br>

\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline \[
\begin{array}{r}
\text { 12(a) } \begin{array}{r}
\text { (Area of triangle } A O B=\text { ) } \frac{1}{2} \times 30.9^{2} \times \sin 150\left({ }^{\circ}\right) \\
\text { or equivalent full method } \\
=238.7(025) \text { or } 239\left(\mathrm{~cm}^{2}\right)
\end{array}
\end{array}
\] \& M1
A1 \& \\
\hline \begin{tabular}{l}
12(b) Adding two equal sectors to the area of the triangle
\[
\begin{aligned}
(\text { Area of } 2 \text { sectors }=) \& (2 \times) \frac{(180-150) / 2}{360} \times \pi \times 30.9^{2} \\
\& =249.8 \text { to } 250(.00 \ldots)\left(\mathrm{cm}^{2}\right)
\end{aligned}
\] \\
(Number of litres that can be added \(=\) )
\[
\begin{aligned}
\& (249.9(686 \ldots)+238.7(025)) \times 600 \quad(\div 1000) \\
\& \text { or } \quad(488.5 \text { to } 489) \times 600 \quad(\div 1000) \\
\& =293 \text { to } 293.4 \text { (litres) }
\end{aligned}
\]
\end{tabular} \& S1
M1
A1

M2

A2 \& | May be embedded in a volume calculation i.e. $\times 600$ |
| :--- |
| Or 31827 $\pi / 400\left(\mathrm{~cm}^{2}\right)$ |
| May be implied by 488.5 to 489 ( $\mathrm{cm}^{2}$ ) (total area) |
| May be implied by volume of 149800 to $150001\left(\mathrm{~cm}^{3}\right)$ |
| FT 'their 238.7(025)' and 'their 249.9(686...)' provided |
| M1 previously awarded |
| M1 (may be embedded within incorrect work) for |
| - (249.9(686...) + 238.7(025)) or |
| - $(249.9(686 \ldots)+\ldots . .) \times$. |
| OR |
| M1 (may be embedded within incorrect work) for |
| - $(\ldots \ldots . . . .+238.7(025)) \times 600$ |
| where previous M1 may not have been awarded |
| FT from M2 only |
| A1 for 293000 to $293400\left(\mathrm{~cm}^{3}\right)$ | <br>

\hline | Alternative method: |
| :--- |
| Area of semicircle subtract (area of the large sector area of triangle) |
| (Area of large sector $=\frac{150}{360} \times \pi \times 30.9^{2}$ or equivalent $=1249 \text { to } 1250\left(\mathrm{~cm}^{2}\right)$ |
| (Number of litres that can be added $=$ ) $\text { = } 293 \text { to } 293.4 \text { (litres) }$ | \& S1

M1
A1
M2

A2 \& | May be embedded in a volume calculation i.e. $\times 600$ |
| :--- |
| Or 31827 $\pi / 80$ ( $\mathrm{cm}^{2}$ ) |
| 749400 to $750000\left(\mathrm{~cm}^{3}\right)$ if volumes considered |
| FT 'their 238.7(025)' and 'their 1249.8(...)' provided |
| M1 previously awarded |
| M1 (may be embedded within incorrect work) for |
| - $\pi \times 30.9^{2} \div 2-(1249.8(\ldots)-238.7(025)$ ) or |
| - (1249.8(...) $-238.7(025)) \times 600$ or |
| - $\left(\pi \times 30.9^{2} \div 2-(1249.8(\ldots)-\ldots)\right) \times 600$ |
| OR |
| M1 (may be embedded within incorrect work) for |
| - $\left(\pi \times 30.9^{2} \div 2-(\ldots-238.7(025))\right) \times 600$ |
| where previous M1 may not have been awarded |
| FT from M2 only |
| A1 for 293000 to $293400\left(\mathrm{~cm}^{3}\right)$ | <br>

\hline
\end{tabular}

