Pearson
Edexcel

Mark Scheme (Results)

## Summer 2019

Pearson Edexcel Award
In Number and Measure (ANM10)
Paper 1A + 1B Level 1

## Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications are awarded by Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk. Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.

## Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

Summer 2019
Publications Code ANM10_1A_1906_MS
All the material in this publication is copyright
© Pearson Education Ltd 2019

## Contents

1.) Marking Principles -- -- -- -- -- -- -- 1
2.) Mark Scheme - Level 1 Section A-- -- -- -- -- -- -- 3
3.) Mark Scheme - Level 1 Section B-- -- -- -- -- -- 8

## NOTES ON MARKING PRINCIPLES

## 1 Types of mark

M marks: method marks
A marks: accuracy marks
B marks: unconditional accuracy marks (independent of M marks)

## 2 Abbreviations

cao - correct answer only
isw - ignore subsequent working
ft - follow through
oe - or equivalent (and appropriate)
SC: special case
indep - independent

## 3 No working

If no working is shown then correct answers normally score full marks
If no working is shown then incorrect (even though nearly correct) answers score no marks.

## 4 With working

If there is a wrong answer indicated on the answer line always check the working in the body of the script (and on any diagrams), and award any marks appropriate from the mark scheme.
If working is crossed out and still legible, then it should be given any appropriate marks, as long as it has not been replaced by alternative work.
If it is clear from the working that the "correct" answer has been obtained from incorrect working, award 0 marks. Send the response to review, and discuss each of these situations with your Team Leader.
If there is no answer on the answer line then check the working for an obvious answer.
Any case of suspected misread loses A (and B) marks on that part, but can gain the M marks. Discuss each of these situations with your Team Leader.
If there is a choice of methods shown, then no marks should be awarded, unless the answer on the answer line makes clear the method that has been used.

## Follow through marks

Follow through marks which involve a single stage calculation can be awarded without working since you can check the answer yourself, but if ambiguous do not award.
Follow through marks which involve more than one stage of calculation can only be awarded on sight of the relevant working, even if it appears obvious that there is only one way you could get the answer given.

## Ignoring subsequent work

It is appropriate to ignore subsequent work when the additional work does not change the answer in a way that is inappropriate for the question: e.g. incorrect cancelling of a fraction that would otherwise be correct
It is not appropriate to ignore subsequent work when the additional work essentially makes the answer incorrect e.g. algebra.
Transcription errors occur when candidates present a correct answer in working, and write it incorrectly on the answer line; mark the correct answer.

Parts of questions
Unless allowed by the mark scheme, the marks allocated to one part of the question CANNOT be awarded in another.

## Use of ranges for answers

If an answer is within a range this is inclusive, unless otherwise stated.

## Section A

| PAPER: ANM10/1A |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Question |  | Working | Answer | Mark | B1 cao Notes |
|  | (a) |  | A1 | 1 |  |
|  | (b) |  | Boilers \& Brille | 1 | B1 cao |
|  | (c) |  | Dalong | 1 | B1 cao |
| 2 | (a) |  | 23.85 | 1 | B1 oe |
|  | (b) |  | 28.7 | 1 | B1 oe |
|  | (c) |  | 13.7 | 1 | B1 oe |



| PAPER: ANM10/1A |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Question | Working | Answer | Mark | Notes |
| 4 |  | 7.23 | 4 | M1 for working out one of $2 \times 95(=190)$ or $2 \times 0.95(=1.9(0))$ or $3 \times 249(=747)$ or $3 \times 2.49(=7.47)$ or $20-$ (one of $3.40,2 \times 0.95,3 \times 2.49$ ) or $16.6(0)$ or $18.1(0)$ or 12.53 <br> M1 for adding the 3 total costs with consistent units or 12.77 seen or 20 - (two of $3.40,2 \times 0.95,3 \times 2.49$ ) or $14.7(0)$ or 9.13 or 10.63 <br> M1 for subtracting their total of the 3 items from $£ 20$ (must be consistent units) <br> A1 cao <br> (SC B2 for 13.16 (SC B1 for 6.84)) |
| 5 |  | 108 | 2 | $\begin{aligned} & \text { M1 for } 9 \times 4 \times 3 \text { oe e.g. } 36 \times 3,9 \times 12 \\ & \text { A1 cao } \end{aligned}$ |
| 6 | $11+14+8$ | 33 | 2 | M1 for 2 or 3 out of no more than 3 correct distances listed A1 cao |
| 7 |  | 35 | 3 | M1 for $2.09 \div 6$ or $209 \div 6$ <br> A1 for digits $34(8333 \ldots$...) or for 0.35 B1 ft for rounding correctly |



| PAPER: ANM10/1A |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Question |  | Working | Answer | Mark | Notes |
| 13 | (a) |  | $\frac{80}{100}$ | 1 | B1 for e.g. $\frac{80}{100}, \frac{40}{50}, \frac{20}{25}$, oe |
|  | (b) |  | 0.4 | 1 | B1 cao |
|  | (c) |  | 36 | 2 | M1 for $0.3 \times 120$ oe eg $3 \times 12,30 \times 1.2$ or 156 or 84 A1 |
|  | (d) |  | 42 | 2 | M1 for $3 \times 70(=210)$ or $70 \div 5(=14)$ oe A1 cao |
| 14 | (a) |  | Wednesday | 1 | B1 for Wednesday or Wed(s) or W |
|  | (b) |  | 10th September | 2 | M1 for counting on to 31 st August and no 32nd (can be marked on calendar) or for clearly adding on 3 weeks or 21 days or for 11 September. <br> A1 (Tuesday) 10 September (2019) or 10/09(/2019) oe |
| 15 |  |  | £70.99 | 4 | M1 for $147 \times 17(=2499)$ or $147 \times 0.17(=24.99)$ <br> M1 for $325 \times 12(=3900)$ or $325 \times 0.12(=39 .(00))$ <br> M1 for $147 \times 17+325 \times 12+700$ oe eg " 24.99 " + " 39 " +7 (must be compatible units) or for 70.99 or 7099 <br> A1 $£ 70.99$ or 7099p (ie must include units) |

## Section B

| PAPER: ANM10/B |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Question |  | Working | Answer | Mark | Notes |
| 1 | (a) |  | Twenty past 9 correctly marked. | 2 | B1for long hand shown at 4 B1 for shorter hand shown between 9 and 10 with hand nearer to 9 than 10 (accept if hand points to 9 ) (SC B1 for correctly pointing hands of equal length or hand length swapped) |
|  | (b) |  | 3 hours 50 mins | 2 | M1ft for subtracting 0920 from 1310 using 60 mins in an hour or for an answer including 3 hours or 50 minutes <br> A1 accept 230 minutes |
| 2 | (a) | $\begin{array}{r} 2842 \\ 69 \\ 731+ \\ \hline \end{array}$ | 3642 | 2 | M1 for adding all three numbers (correctly aligned) may be evidenced by 2 in unit column of answer and a carry figure of 1 to the tens column or addition with one error only or for 3 out of the 4 figures of 3642 correct <br> A1 cao |
|  | (b) | $\begin{aligned} & 8.40 \\ & 2.53 \end{aligned}$ | 5.87 | 2 | M1 for correctly putting numbers in columns with evidence of decomposition to subtract the 3 hundredths in 2.53 - may be indicated by 7 in hundredths column or for an answer including .87 or for an adding on method showing all stages for their method <br> A1 cao |
|  | (c) | $\begin{gathered} 139 \\ 6 \longdiv { 8 ^ { 2 } 3 ^ { 5 } 4 } \end{gathered}$ | 139 | 2 | M1 for $8 \div 6$ shown with a 1 and a carry of 2 or division with just one error or correct method to subtract 6 at least 10 times or to subtract 60 oe A1 cao |


| PAPER: ANM10/B |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Question |  | Working | Answer | Mark | Notes |
| 3 | (a) <br> (b) <br> (c) <br> (d) |  | $\begin{aligned} & \frac{9}{10} \\ & \frac{3}{5}, \frac{9}{15} \\ & \frac{1}{10} \\ & \frac{4}{5} \\ & \hline \end{aligned}$ | $1$ <br> 1 <br> 1 <br> 1 | B1 cao <br> B1 either order <br> B1 $\frac{1}{10}, \frac{10}{100}$ oe <br> B1 cao |
| 4 |  |  | D or $£ 4$ | 1 | B1 |
| 5 | (a) <br> (b) |  | 580 <br> Arrow pointing at 316 | $1$ <br> 1 | B1 cao <br> B1 cao (arrow pointing at 3rd mark after 310) |
| 6 | (a) <br> (b) |  | litres pounds | $1$ <br> 1 | B1 for litres(or $l$ ) or centilitres(or $\mathrm{c} l$ ) or millilitres or (ml) <br> B1 for stones(or st) and/or pounds(or lb) or ounces(or oz) |
| 7 | (a) <br> (b) <br> (c) |  | $\begin{gathered} 76000 \\ 49 \\ 9 \end{gathered}$ | $1$ <br> 1 <br> 1 | B1 cao <br> B1 cao <br> B1 cao |


| PE | M1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Question |  | Working | Answer | Mark | Notes |
| 8 | (a) <br> (b) |  | $\begin{gathered} -5 \\ 1 \end{gathered}$ | 1 <br> 1 | B1 cao <br> B1 for 1 or +1 |
| 9 | (a) <br> (b) |  | Correct order <br> Correct order | 1 <br> 1 | B1 for $9 \%, 17 \%, 49 \%, 56 \%, 63 \%$ (with or without \%) B1 for 4.09, 4.17, 4.68, 4.7, 5.9 |
| 10 | (a) <br> (b) |  | $27$ $24$ | $2$ $2$ | M1 for $3 \times 9$ or clear counting of squares that leads to their area A1 cao <br> M1 for $3+" 9 "+3+" 9$ "oe or $3+" 9 "(=12)$ (ft incorrect counting of length - length must be clearly seen as " 9 " or used clearly in a calculation) <br> A1 cao <br> SCB1 for answers of (a) 24 and (b) 27 |

Pearson Education Limited. Registered company number 872828 with its registered office at 80 Strand, London, WC2R 0RL, United Kingdom

