



Pearson  
Edexcel

## Mark Scheme (Results)

January 2020

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

## **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](http://www.edexcel.com) or [www.btec.co.uk](http://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](http://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](http://www.pearson.com/uk)

January 2020

Publications Code ANM10\_1A\_2001\_MS

All the material in this publication is copyright

© Pearson Education Ltd 2020

## Contents

1.) Marking Principles	-----	1
2.) Mark Scheme – Level 1 Section A	-----	3
3.) Mark Scheme – Level 1 Section B	-----	9



## 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

oe – or equivalent (and appropriate)

indep - independent

ft – follow through

SC: special case

dep – dependent

### 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If working is crossed out and still legible, then it should be given any appropriate marks, as long as it has not been replaced by alternative work.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

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.

**5 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.

**6 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.

**7 Parts of questions**

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

**8 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	Notes
1 (a)		11.5	1	B1 (accept $\frac{23}{2}$ or $11\frac{1}{2}$ )
(b)		1517	1	B1 cao
(c)		617	1	B1 cao
2 (a)		0.75	1	B1 cao
(b)		12.6	1	B1 cao
3 (a)	$\frac{4}{5} \times 340$ oe	272	2	M1 for $\frac{4}{5} \times 340$ oe or $4 \times 340 (= 1360)$ or $340 \div 5 (= 68)$ A1 cao
(b)		$\frac{12}{17}$	1	B1 oe
(c)	$0.3 \times 920$ oe eg $3 \times 92$	276	2	M1 for $0.3 \times 920$ oe A1 cao
4 (a)		28	1	B1 cao
(b)		8	1	B1 cao
(c)		15 ( $\times$ ) 28	1	B1 either order, must have both numbers

PAPER: ANM10/1A				
Question	Working	Answer	Mark	Notes
5 (a)	$\begin{array}{r} 3 \text{ m } 46 \text{ cm} \\ + \underline{4 \text{ m } 32 \text{ cm}} \\ 7 \text{ m } 78 \text{ cm} \\ \\ 7 \text{ m } 78 \text{ cm} \\ - \underline{2 \text{ m } 29 \text{ cm}} \\ 5 \text{ m } 49 \text{ cm} \end{array}$	5 m 49 cm or 5.49 m or 549 cm	2	<p>M1 for showing <math>3 + 4 - 2</math> <b>or</b> <math>46 + 32 - 29</math> or a total including 49 cm <b>or</b> showing a subtraction of 2 m 29 cm from their total or for an answer of 5 49</p> <p><b>Or</b></p> <p>M1 for writing all measurements in m and showing the addition of 3.46 <b>and</b> 4.32 <b>or</b> writing all measurements in m and showing subtraction of 2.29 from their total <b>or</b> for an answer of 5.49</p> <p><b>Or</b></p> <p>M1 for writing all measurements in cm and showing the addition of 346 <b>and</b> 432 <b>or</b> writing all measurements in cm <b>and</b> showing subtraction of 229 from their total <b>or</b> for an answer of 549</p> <p>A1 for 5 m 49 cm or 5.49 m (or <math>\frac{549}{100}</math> m) or 549 cm</p> <p>(SCB1 for 10.07 m or 1007 cm or 10m 7 cm)</p>
(b)		4.3	1	B1 cao
(c)		8 (weeks) 2 (days)	2	<p>M1 for <math>58 \div 7</math> or counting up in 7's to at least 56 with at most 1 error or an answer including 8 weeks</p> <p>A1 cao</p>



PAPER: ANM10/1A				
Question	Working	Answer	Mark	Notes
6	$5 \times 1.49 = 7.45$ $3 \times 0.59 = 1.77$ $1 \times 2.31 = \underline{2.31}$ $\quad \quad \underline{11.53}$ $20 - 11.53 = 8.47$	8.47	4	<p>M1 <math>5 \times 1.49 (=7.45)</math> <b>or</b> <math>3 \times 59p (=177(p))</math> <b>or</b> <math>(£)1.77</math> <b>or</b>  <math>20 - (\text{one of } 2.31, 5 \times 1.49, 3 \times 0.59)</math> or 17.69 or 12.55 or 18.23</p> <p>M1 for adding all 3 items with compatible units or a total of 11.53 <b>or</b>  <math>20 - (\text{two of } 2.31, 5 \times 1.49, 3 \times 0.59)</math> or 1024 or 10.78 or 15.92</p> <p>M1 for subtracting their total from 20 dep on M2  A1 cao</p> <p>SCB2 for 15.61 (SCB1 for 4.39)</p>
7	$9 \times 6 \times 7$ oe	378	2	<p>M1 for <math>9 \times 6 \times 7</math> oe  A1</p>
8	(a)	Friday	1	B1 for F, Fri, Friday
	(b)	24th May	2	B2 for (Thursday) 24 <sup>th</sup> /24 May (2018) <b>or</b> 24/05/(18) (B1 for filling in spaces and putting 31st (May) <b>or</b> for an answer of 23rd May <b>or</b> 24 <sup>th</sup> /24 alone or with the incorrect month)
9	(a)	153	1	B1 cao
	(b)	456 correctly marked	1	B1 cao
	(c)	50	1	B1 for 50 or tens oe
	(d)	500	1	B1 cao
10	(a)	Correct bar chart	3	<p>B1 for labels written on horizontal axis (allow initials or abbreviations so long as meaning is clear)  B2 for 5 column heights correct (can be different widths)</p>

PAPER: ANM10/1A				
Question	Working	Answer	Mark	Notes
(b)		28	1	(B1 for 3 or 4 column heights correct or 5 correct heights but incomplete bars ) B1 ft from bar chart
11 (a)		A correct time shown on the clock	2	B1 for long hand shown at 9 B1 for short hand between 4 and 5 with hand nearer to 5 than 4 (accept if hand points to 5) SC B1 for hands of equal length or hands the wrong way round.
(b)		5.20 (pm)	1	B1 for 5.20 or 5.20 pm or 1720 oe (NB: 5.20 am gains 0 marks)
12 (a)		Raj	1	B1 cao
(b)		Mila	1	B1 cao
(c)		Peter, Abdul	1	B1 cao
13	$379 \div 12$	32	2	M1 for $379 \div 12 (= 31.(583....))$ or $3.79 \div 12 (=0.31(583...))$ [ie 31 or 0.31 gains M1] A1 (allow £0.32p)
14	$4 \times 11 + 5 \times 8$	84	3	M1 for $4 \times 11 (= 44)$ or $5 \times 8 (= 40)$ or $5 \times 12 (= 60)$ or $6 \times 8 (= 48)$ or $11 \times 12 (= 132)$ or $4 \times 6 (=24)$ M1 for a fully correct method to find the area of the shape A1 cao
15	$236 \times 0.14 = 33.04$ $385 \times 0.11 = 42.35+$ <u>12.70</u> 88.09	88.09	4	M1 for $236 \times 0.14 (= 33.04)$ <b>or</b> $236 \times 14 (= 3304)$ <b>or</b> $385 \times 0.11 (= 42.35)$ <b>or</b> $385 \times 11 (= 4235)$ M1 for $236 \times 0.14 + 385 \times 0.11 (= 75.39)$ <b>or</b> $236 \times 14 + 385 \times 11 (=7539)$ <b>or</b> “33.04” + “42.35” (=75.39) <b>or</b> “3304” + “4235” (= 7539)

PAPER: ANM10/1A				
Question	Working	Answer	Mark	Notes
				M1 for “33.04” + “42.35” + 12.70 <b>or</b> “3304” + “4235” + 1270 [must have compatible units] A1 SCB2 for an answer of 62.69



**Section B**

<b>PAPER: ANM10/1B</b>				
<b>Question</b>	<b>Working</b>	<b>Answer</b>	<b>Mark</b>	<b>Notes</b>
1 (a)		72	1	B1 cao
(b)		620	1	B1 cao
(c)		Seven hundred and four	1	B1 cao
2		D or £32	1	B1 for D or £32 (may be indicated in list)
3 (a)		litres	1	B1 for litres or millilitres
(b)		inches or feet or foot or yards	1	B1 for inches or feet or foot or yards

PAPER: ANM10/1B				
Question	Working	Answer	Mark	Notes
4 (a)		0.09, 0.6, 0.67, 0.7, 0.73	1	B1 cao
(b)		8%, 17%, 26%, 72%, 79%	1	B1 cao with or without % signs
(c)		78p £3.37, 463p, £5.97, 632p	1	B1 cao (can use all p or all £ or a mixture)
5 (a)		9.5	1	B1 allow any answer in the range 9.3 – 9.7
(b)		Angle of 130° drawn	1	B1 allow an angle of 128° - 132° using overlay

PAPER: ANM10/1B																				
Question	Working	Answer	Mark	Notes																
6 (a)	$\begin{array}{r} 1435 \\ 257 \\ \underline{42} \\ 1734 \\ 11 \end{array}$	1734	2	M1 for correctly putting numbers in columns (may be 2 separate sums) and adding all 3 numbers – may be indicated by a 4 in the units column and a carry of 1 into the tens column <b>or</b> for addition of all 3 numbers with just 1 mistake or for 3 out of the 4 figures of 1734 correct A1 cao																
(b)	$\begin{array}{r} 783 \\ \underline{6} \times \\ 4649,8 \end{array}$ <table border="1" style="margin: 10px auto;"> <tr> <td>7</td> <td>8</td> <td>3</td> <td>×</td> </tr> <tr> <td>4</td> <td>4</td> <td>1</td> <td>6</td> </tr> <tr> <td>2</td> <td>8</td> <td>8</td> <td></td> </tr> <tr> <td>46</td> <td>9</td> <td>8</td> <td></td> </tr> </table> $\begin{array}{l} 6 \times 700 = 4200 \\ 6 \times 80 = 480 \\ 6 \times 3 = 18 + \\ \hline 4698 \end{array}$	7	8	3	×	4	4	1	6	2	8	8		46	9	8		4698	2	M1 for complete structured method to multiply by 6, condone one multiplication error <b>or</b> correct multiplications for box method condone one multiplication error <b>or</b> for adding 6 lots of 783 may be indicated by putting 6 lots of 783 correctly in columns with an 8 in the units column oe  A1 cao
7	8	3	×																	
4	4	1	6																	
2	8	8																		
46	9	8																		
(c)	$\begin{array}{r} 87 \\ 3 \overline{)2621} \end{array}$	87	2	M1 for dividing 26 by 3 and getting 8 and writing remainder of 2 by the 1 <b>or</b> division with just one mistake or subtraction of 3 at least 8 times (may be blocks of eg 30) A1cao																
(d)	$\begin{array}{r} \underline{51.0} \\ 16.7 \\ \underline{34.3} \end{array}$	34.3	2	M1 for correctly putting numbers with evidence of decomposition to subtract the 7 tenths in 16.7– may be indicated by 3 in the tenths column or an answer including .3 or for crossing through of 1 in 51 and a 1 by the side of the 0 in 51.0 or for an adding on method showing all stages for their method A1 cao																

PAPER: ANM10/1B				
Question	Working	Answer	Mark	Notes
7 (a)		$\frac{5}{9}$	1	B1 oe
(b)		$\frac{2}{5}$	1	B1 cao
(c)		$\frac{31}{100}$	1	B1 oe must be a correct <b>fraction</b> eg $\frac{62}{200}$
(d)		$\frac{5}{11}$	1	B1 oe eg $\frac{55}{121}$
(e)(i)		$\frac{2}{9}$	1	B1 cao
7 (e)(ii)		$\frac{15}{18}, \frac{5}{6}$	1	B1 cao
8	$(7 + 4) \times 2$	22	2	M1 for $7 + 4 + 7 + 4$ oe A1



PAPER: ANM10/1B				
Question	Working	Answer	Mark	Notes
9 (a)		-4, -3, -1, 0, 3, 5	1	B1 cao
(b)		-3	1	B1 cao
(c)		(+)4	1	B1 cao





