Mark Scheme (Results)

Summer 2022

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

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

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   ft – follow through
isw – ignore subsequent working   SC: special case
oe – or equivalent (and appropriate)   dep – dependent
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If working is crossed out and still legible, then it should be given any appropriate marks, as long as it has not been replaced by alternative work.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
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.

PAPER: ANM10_1A				
Question	Working	Answer	Mark	Notes
1 (a)		15.2	1	B1
(b)		78.2	1	B1
(c)		51.5	1	B1
2		6 m 85 cm or 6.85 m or 685 cm	2	M1 for 5 + 3 − 2 (=6) or 78 + 63 − 56 (=85) or for 685 or 6.85 A1 for 6 m 85 cm or 6.85 m or 685 cm **or** M1 for writing all measurements in cm and 578 + 363 (= 941) or 578 − 256 (= 322) or 363 − 256 (= 107) or for 685 A1 for 6 m 85 cm or 6.85 m or 685 cm **or** M1 for writing all measurements in m and 5.78 + 3.63 (= 9.41) or 5.78 − 2.56 (=3.22) or 3.63 − 2.56 (=1.07) or for 6.85 A1 for 6 m 85 cm or 6.85 m or 685 cm (SCB1 for 11 m 97 cm or 11.97 m or 1197cm)

PAPER: ANM10_1A					
Question		Working	Answer	Mark	Notes
3	(a)		20 or 35	1	B1 accept 20 and 35
	(b)		17	1	B1
	(c)		6	1	B1
4	(a)		288	2	M1 for 2 × 720 (=1440) or 720 ÷ 5 (=144) or 0.4 × 720 oe A1 cao
	(b)		126	2	M1 for 0.15 × 840 oe eg 84 + 42 A1 cao
5		3 × 0.29 = 0.87 2 × 0.75 = 1.50 1 × 1.42 = 1.42 3.79 10 – 3.79 = 6.21	6.21	4	M1 3 × 29 (=87) or 3 × 0.29 (=0.87) or 2 × 75 (=150) or 2 × 0.75 (1.50) or 10 – 1.42 (=8.58) oe M1 for adding all 3 items or a total of 3.79 or 10 – (2 of "0.87", "1.50", 1.42) M1 for an answer of 621 or 10 – "3.79" or 10 – "0.87" – "1.50" – 1.42 A1 cao (SCB2 for 7.54 SCB1 for 2.46)
6		16 × 10 × 12	1920	2	M1 for 16 × 10 × 12 oe eg 160 × 12 A1
7	(a)		0.6	1	B1 0.6(000...)
	(b)		$\dfrac{70}{100}$	1	B1 $\dfrac{70}{100}$ oe eg $\dfrac{7}{10}$

PAPER: ANM10_1A					
Question		**Working**	**Answer**	**Mark**	**Notes**
8	(a)		Wednesday	1	B1 allow W or Wed etc
	(b)		12th May	2	B2 for 12th May or 12/05(/20) oe (B1 for clear method to find required date eg continuing the table to 5th May (with no 31) or for 11/05 or 13/05 oe,or for 12th or for 12th of any month apart from May)
9	(a)		Steve	1	B1 cao
	(b)		Harju	1	B1 cao
	(c)		Amos and Ned	1	B1 cao both needed
10	(a)		943	1	B1 cao
	(b)		Arrow clearly pointing at 808	1	B1 cao (notch before 810)
	(c)		917	1	B1cao
	(d)		550	1	B1 cao

Question		Working	Answer	Mark	Notes
PAPER: ANM10_1A					
11	(a)		fruit	1	B1 cao
	(b)		biscuits and crisps	1	B1 cao both needed
	(c)		5	2	M1 for 8 – 3 A1 cao
12	(a)		87.1(0)	2	M1 for 67 × 1.3(0) or eg for 65 + 13 + 6.5(0) + 2.6(0) or eg for 50 + 10 + 5 + 2 A1 cao
	(b)		70	2	M1 for 91 ÷ 1.3(0) or eg for 65 +13 + 13 or eg for 50 + 10 + 10 A1 cao
13			46	2	M1 for 5.5(0) ÷ 12 (=0.45(833...)) or 550 ÷ 12 (=45(.833...)) or 0.46 A1 cao

Question		Working	Answer	Mark	Notes
14	(a)		16	1	B1 cao
	(b)		122	3	M1ft for correct method to find one area associated with this shape eg "16" × 5 (=80) or 6 × 7 (=42) or "16" × 11(=176) or 9 × 6 (=54) M1ft for a fully correct method to find area of shape eg "16" × 5 + 6 × 7 or "16" × 11 − 9 × 6 A1ft for 42 + "16" × 5
15			4 hours 20 minutes	2	M1 for 260 ÷ 60 (=4(.33...)) or 60, 120, 180, 240,... oe A1
16			£81.16 or 8116p	4	M1 for 189 × 14 (=2646) or 189 × 0.14 (=26.46) M1 for 385 × 11 (=4235) or 385 × 0.11 (= 42.35) M1 for 189 × 14 + 385 × 11 + 1235 oe eg "26.46" + "42.35" + 12.35 (units must be compatible) or 81.16 or 8116 A1 must have units