Pearson Edexcel

Mark Scheme (Results)

January 2019

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

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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If working is crossed out and still legible, then it should be given any appropriate marks, as long as it has not been replaced by alternative work.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)		47.38	1	B1 cao
	(b)		6.84	1	B1 cao
	(c)		13.4	1	B1 cao
2	(a)		Indre	1	B1 cao
	(b)		Nazia	1	B1 cao
	(c)	72 − 46	26	2	M1 complete method with correct figures A1 cao
3			2 40 pm	2	B2 for fully correct time that incorporates pm e.g. 2 40 pm or in 24 hour format e.g. 14 40 or twenty to three in the afternoon (B1 for 2 40 am or a time with no reference to afternoon or for 3 40 pm or 15 40)
4	(a)		105	2	M1 for $\frac{3}{8} \times 280$ oe or for 280 × 3 (=840) or 280 ÷ 8 (=35) or 175 A1 cao
	(b)		84	2	M1 for $\frac{30}{100} \times 280$ oe or for an answer of 364 or 196 A1 cao

PAPER: ANM10/1A					
Question		**Working**	**Answer**	**Mark**	**Notes**
5			6.24	4	M1 for method to work out one of 3 × 29 (=87) or 3 × 0.29 (=0.87) or 2 × 52 (=104) or 2 × 0.52 (=1.04) or 10 – (one of 1.85, 3 × 0.29, 2 × 0.52) M1 for adding the 3 items with consistent units (eg 0.87 + 1.04 + 1.85) or 376 or 3.76 seen as a total or 10 – (two of 1.85, 3 × 0.29, 2 × 0.52) M1 for subtracting their total of 3 items from £10 (consistent units) A1 SCB2 for 7.34 or 7.04 (SCB1 for 2.66 or 2.96)
6	(a)		10	1	B1 cao
	(b)		17	1	B1 cao
	(c)		12	1	B1 cao
7	(a)		9	1	B1 cao
	(b)		110 cm²	3	M1ft for 14 × 4 (=56) or 6 × '9'(=54) or 5 × 4 (=20) or 14 × 10 (=140) or 6 × 5 (=30) or '9'× 4(=36) as part of working A1ft for '110' with no units or incorrect units B1indep for cm²

PAPER: ANM10/1A					
Question		**Working**	**Answer**	**Mark**	**Notes**
8	(a)		704	1	B1 cao
	(b)		470	1	B1 cao
	(c)		5.7	1	B1 cao
9	(a)		Saturday	1	B1 allow Sat
	(b)		7th May	2	B2 for (Tuesday) 7th May (2019) oe (B1 for filling in dates until 30th April (and no 31st) until at least 4th May (condone 1 error in counting on) or for 6th May or 7th April as answer)
10		0.02 × 3200	64	2	M1 for working out 2% of 3200 e.g. $\frac{2}{100} \times 3200$ or 2 × 32 oe A1 cao SCB1 for 3264
11	(a)		12	1	B1 cao
	(b)		−7	1	B1 cao
	(c)		8	1	B1 allow −8

PAPER: ANM10/1A					
Question		**Working**	**Answer**	**Mark**	**Notes**
12			37	3	M1 for 8.99 ÷ 24 A1 for digits 37(4583...) or 0.38 or 38 (could be 0.37 × 24 or 0.38 × 24) B1 ft for rounding correctly answer where you see working and at least 3 dp eg 24 ÷ 8.99 = 2.669...rounded to 2.67
13			2160	2	M1 for 27 × 10 × 8 (any order) oe eg 27 × 80 A1 cao
14	(a)		g or kg	1	B1 for g or gram(s) or kg or kilogram(s) or g/kg [accept mg]
	(b)		feet/ inches	1	B1 for feet (ft) or foot and/or inches (ins) [accept yards]
15	(a)		11 weeks 3 days	2	M1 for 80 ÷ 7 or counting to 77 in 7's (condone 1 error) or for 11.4285... or for an answer which includes 11 weeks A1 cao

PAPER: ANM10/1A				
Question	**Working**	**Answer**	**Mark**	**Notes**
15 cont. (b)	3 m 76 cm + 4 m 63 cm = 8 m 39 cm 8 m 39 cm – 2 m 37 cm = 6 m 2 cm **or** 376 + 463 – 237	6 m 2 cm	2	M1 for 3 + 4 – 2 (=5) or 76 + 63 – 37 (=102) or a total including 2 cm or for 602 or 6.02 or an answer equivalent to 6 m 2 cm in a different form eg 5 m 102 cm oe A1 for 6 m 2 cm or 6.02 m or 602 cm **or** M1 for writing all measurements in cm and 376 + 463 (=839) or 376 – 237 (=139) or 463 – 237 (=226) or for 602 or 6.02 or an answer equivalent to 6 m 2 cm in a different form eg 5 m 102 cm oe A1 for 6 m 2 cm or 6.02 m or 602 cm **or** M1 for writing all measurements in m and 3.76 + 4.63 (=8.39) or 3.76 – 2.37 (=1.39) or 4.63 – 2.37 (=2.26) or for 602 or 6.02 or an answer equivalent to 6 m 2 cm in a different form eg 5 m 102 cm oe A1 for 6 m 2 cm or 6.02 m or 602 cm (SCB1 for 10 m 76 cm or 10.76 m or 1076 cm)

PAPER: ANM10/1A				
Question	**Working**	**Answer**	**Mark**	**Notes**
16		£24.49	4	M1 for 145 – 80 (=65) or 530 – 350 (=180) M1 for '65' × 10p (=650 or 6.5(0)) or '180' × 5p (= 900 or 9) [an answer of £15.50 gains M1M1] M1 for '65' × 10p +'180'× 5p + £8.99 (units must be consistent) A1 for £24.49 or 2449p **or** M1 for 145 × 10(=1450) or 145 × 0.1(0)(=14.5(0)) or 530 × 5(=2650) or 530 × 0.05 (=26.5(0)) M1 for 145 × 10p + 530 × 5p + £8.99 (units must be consistent) (= 49.99) or for 145 × 10p + 530 × 5p – 80 × 10p – 350 × 5p (=15.5(0)) M1 for 145 × 10p + 530 × 5p + £8.99 − 80 × 10p – 350 × 5p (units must be consistent) or for 145 × 10p + 530 × 5p – 80 × 10p – 350 × 5p + £8.99 (units must be consistent) A1 for £24.49 or 2449p

Section B

PAPER: ANM10/1B				
Question	**Working**	**Answer**	**Mark**	**Notes**
1 (a)		Correct order	1	B1 for £1.89, 204p, £2.17, £2.43, 289p (with or without monetary units)
(b)		Correct order	1	B1 for 2.17, 2.701, 2.8, 3.87, 3.9
(c)		Correct order	1	B1 for 9%, 65%, 67%, 83%, 89% (with or without %)
(d)		25	1	B1 cao
2 (a)	2517 75 124 +	2716	2	M1 for attempt to add all three numbers may be evidenced by 6 in unit column of answer and a carry figure of 1 to the tens column or addition with one error only but working must be right to left. A1 cao
(b)	27.00 14.87 –	12.13	2	M1 for correctly putting numbers in columns with method to subtract maybe indicated by 3 in hundredths column or for an answer including .13 or for clearly adding on from 14.87 to 20 and showing all steps. A1 cao

PAPER: ANM10/1B				
Question	**Working**	**Answer**	**Mark**	**Notes**
2 (c) Cont.	753 $\underline{6\ \times}$ $45_{3}1_{1}8$ 7 | 5 | 3 | × 4 2 | 3 0 | 1 8 | 6 4 5 | 1 | 8 | $6 \times 700 = 4200$ $6 \times 50 = 300$ $\underline{6 \times 3 = 18} +$ 4518	4518	2	M1 for 18 with an 8 in the units column and a 1 carried to the 10's column or a correct multiplication with one error only **or** correct multiplications for box method condoning one multiplication error **or** adding 6 lots of 753 with one error only A1 cao
3 (a)		$\frac{7}{10}$	1	B1 for e.g. $\frac{7}{10}, \frac{14}{20}$ oe
(b)		$\frac{5}{14}$	1	B1 for e.g. $\frac{5}{14}, \frac{70}{196}$ oe
(c)		$\frac{4}{10}$	1	B1 for e.g. $\frac{4}{10}, \frac{8}{20}, \frac{16}{40}, \frac{20}{50}, \frac{200}{500}$ oe
(d)		$\frac{1}{3}$	1	B1 cao

PAPER: ANM10/1B					
Question		**Working**	**Answer**	**Mark**	**Notes**
4	(a)		56	1	B1 cao
	(b)		540	1	B1 cao
	(c)		93 000	1	B1 cao
	(d)		$\frac{7}{10}$	1	B1 fraction, e.g. $\frac{70}{100}$ oe
5			E or £8	1	B1 E and/or £8 with no other choice. May be indicated in the list.
6	(a)		125	1	B1 for answer in range 123 – 127
	(b)		Correct line	1	B1 for a line in range 7.8 cm – 8.2 cm
7	(a)		4	1	B1 for 4 or +4
	(b)		−3	1	B1 cao
8	(a)		23	2	M1 for 4.5 + 7 + 4.5 + 7 oe, eg 9 + 14 or 2 × 11.5 or 4.5 + 7 (=11.5) A1 cao
	(b)		900	1	B1 cao

PAPER: ANM10/1B					
Question		**Working**	**Answer**	**Mark**	**Notes**
9	(a)		Fish and chips	1	B1 accept F and C oe
	(b)		Chinese, Kebab	1	1 either order, accept C, K oe
	(c)		31	2	M1 3 + 6 + 9 + 7 + 6 (allow 1 error in a sum of 5 numbers) A1 cao

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