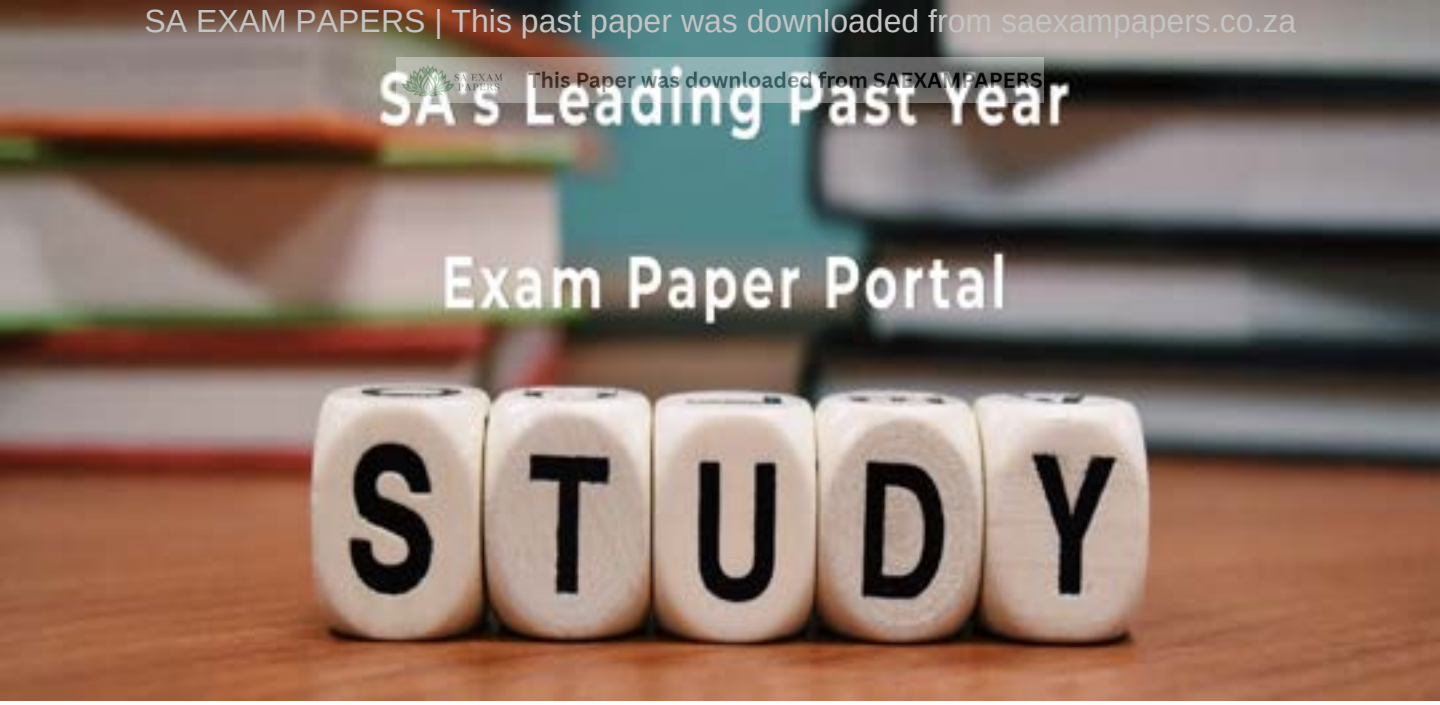

KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

MATHEMATICAL LITERACY

PROVINCIAL STANDARDISED ASSESSMENT

MARKING GUIDELINE

MARCH 2026

MARKS: 100

SYMBOL	EXPLANATION
MA	Method with accuracy
MCA	Method with Consistent accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT	Reading from a table/ graph/ diagram/Map/document
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example/Explanation
R	Rounding off
AO	Answer only full marks
NPU	No penalty for omitting unit, but wrong unit is penalised. incorrect rounding off etc.
NPR	No penalty for correct rounding / units

NOTES:

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution,
- mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra item presented.

QUESTION 1 [21 MARKS] ANSWER ONLY FULL MARKS			
Ques	**Solution**	**Explanation**	**T & L**
1.1.1	KwaZulu-Natal✓✓RT	2RT Correct Province **Accept KZN** (2)	DH L1 E
1.1.2	84,17%, 86,15%, 86,55%, 87,79%, 88,20%, 88,49%, 89,06%, 89,33%, 90,6%✓✓A	2A correct Order (2)	DH L1 E
1.1.3	Western Cape✓✓A	2A Correct Province **Accept WC** (2)	DH L1 E
1.1.4	✓RT 90,6 : 88,20 = 1 : 0,97✓A	1 RT for both correct values and order 1A Correct unit ratio **Accept 1,03 :1** (2)	DH L1 E
1.1.5	Difference = 90,6% - 84,17%✓MA = 6,43% ✓A	1MA subtracting correct values 1A correct answer (2)	DH L1 M
1.1.6	Probability (≥ 89%) = $\frac{3\checkmark A}{9\checkmark A}$ = $\frac{1}{3}\checkmark S$	1A correct numerator 1A correct Denominator 1S simplification (3)	P L1 M
1.2.1	C✓✓A	2A correct answer (2)	F L1 M
1.2.2	A✓✓A	2A correct answer (2)	F L1 M
1.2.3	H✓✓A	2A correct answer (2)	F L1 M
1.2.4	D✓✓A	2A correct answer (2)	F L1 M
		[21]	

QUESTION 2 [30 MARKS]			
Ques	**Solution**	**Explanation**	**T & L**
2.1.1	Monthly Interest rate = $\frac{7{,}05\ \%}{12}$ = 0,5875%✓A B = 0,5875 % × R96 711,92✓MA = R568,18✓A C = R96 711,92 + R568,18✓MCA = R97 280,10✓CA **OR** B = R96 711,92 × 7,05 %✓MA = R 6818,19036 ÷ 12✓MA = R568,18✓A C = R96 711,92 + R568,18✓MCA = R97 280,10✓CA	1A correct interest rate 1MA multiplying by 0,5875% 1A correct interest 1MCA adding interest 1CA answer 1MA multiplying by 7,05% 1MA for dividing by 12 1A correct answer 1MCA adding interest 1CA answer (5)	F L2 M
2.1.2	✓MA Total Invested = R 50 000 + (12 × R3 500) = R 92 000 ✓A ✓MCA Total interest = R97 280,10 – R92 000 = R5 280,10✓CA **OR** Total interest = 314,31+336,72+359,26+381,94+404,74+427,68+ 450,76+473,97+497,32+520,80+544,42✓MA ✓A = R 4711,92 + R568,18✓MCA = R 5 280,10 ✓CA	**CA from 2.1.1** 1MA multiplying 12 by R3 500 1A Total invested 1MCA subtracting R92 000 1CA answer **OR** 1MA adding 11 correct values 1A for R 4 711,92 1MCA adding interest for the 12th month 1CA correct amount (4)	F L2 M
2.1.3	Compounding, interest is calculated on the increasing balance each month. From the table, the interest grows from R314,31 in month 1 to R568,68 in month 12. ✓✓O **OR** Compounding monthly earns more total interest than simple interest because interest is calculated on interest earned each month✓✓O	2O correct explanation (2)	F L4 M
2.2.1	13 April 2022✓✓RT	1RT correct answer (2)	F L1 E

2.2.2	R6,09 trillion = R6 090 000 000 000✓C Debt = R6 090 000 000 000 ÷ R16,07✓MA = $378 967 019 290,6✓A	1C Conversion 1MA dividing by R16,07 1A answer **Accept 0,3789670193 trillion** (3)	F L3 M
2.2.3	April 2022 = R50 000 ÷ R14,46 ✓MA = $3 457,81✓A January 2026 = R50 000 ÷ R16,07 = $3 111,39✓A Difference = $3 457,81 – $3 111,39✓MCA = $346,42✓CA Statement is CORRECT✓O	1MA dividing by R14,46 1A correct amount 1A correct amount 1MCA subtracting 1CA answer 1O opinion **Accept $346,43** (6)	F L4 M
2.3.1	P (Inflation > 3%) = $\frac{2✓A}{3✓A}$	1A for Numerator 1A for Denominator (2)	P L1 M
2.3.2	Difference = R5 515,69 – R5 389,36✓MA = R126,33✓A	1MA subtracting 1A answer (2)	F L2 M
2.3.3	2027 Price = 103,2% × R5 295,36✓MA = R5 464,81✓A 2028 Price = 103% × R5 464,81✓MCA = R5 628,75✓CA **OR** 2027 Increase: 3,2% × R5 295,36 = R169,45✓A Price: R5 295,36 + R169,45 = R5 464,81✓A 2028 Increase: 3% × R5 464,81 = R163,94✓CA Price: R5 464,81 + R163,94 = R5 628,75✓CA	1MA multiplying by 103,2% 1A answer 1MCA multiplying by 103% 1CA answer **OR** 1A increase for 2027 1A price for 2027 1CA increase for 2028 1CA answer (4)	F L3 M
		[30]	

QUESTION 3 [25 MARKS]			
Ques	**Solution**	**Explanation**	**T &L**
3.1.1	% Of late registrations = 9%✓✓ RT	2RT correct answer (2)	DH L1 E
3.1.2	Total = 3 417 +128 192✓ MA = 131 609✓ A	1MA adding correct values 1A correct answer (2)	DH L2 E
3.1.3	107; 216; 2 311; 2 389; 36 391; 100 095; 120 396; 183 990; 190 186;212 256 ✓ A Median = (36 391 + 100 095) ÷ 2✓MA = 68 243✓CA	1A arranging data 1MA adding and dividing by 2 1CA correct answer (3)	DH L2 E
3.1.4	✓MA A = (93 213,8×10) – (3 417 + 128 192 + 198 314 + 224 081 + 200 301 + 127 010 + 38 650 + 2 702+ 173)✓MA = 9 298✓CA **OR** ✓MA $93\,213{,}8 = \frac{3\,417 + 128\,192 + 198\,314 + \cdots + A}{10\checkmark MA}$ A = 9 298✓CA	1MA multiplying 1MA subtracting sum of correct values 1CA correct answer **OR** 1MA adding all correct values 1MA dividing by 10 1CA correct answer (3)	DH L3 M
3.2.1	Quartile 1✓✓ RT	2RT correct answer **Accept Lower Quartile/Q1** (2)	DH L1 E
3.2.2	✓RT IQR = 3,1 – 2,9✓RT = 0,2kg ✓CA	1RT for Q3 1RT for Q1 1CA correct answer (3)	DH L3 M
3.2.3	✓RT Difference = 3,4 – 3,1✓MCA = 0,3 kg Statement is correct✓O	**CA from 3.2.2** 1RT for maximum value 1MCA for subtracting Q3 1O for conclusion (3)	DH L4 E

3.3.1	✓RT 12 months and 10 ,4kg✓RT	1RT for 12 months 1RT for 10,4 kg (2)	DH L1 E
3.3.2	The baby weighs more than 75% of babies of the same age and less than the top 25%.✓✓O **OR** 25% babies are heavier than this baby and 75% of babies are lighter than this baby.✓✓O	2O correct explanation (2)	DH L4 M
3.3.3	Difference = 13,2 kg – 12,1kg ✓RT = 1,1kg. ✓CA Poor nutrition / illness ✓O	1RT subtracting correct values 1CA answer 1O correct explanation (3)	DH L4 M
			[25]

QUESTION 4 [24 MARKS]

Ques	Solution	Explanation	T &L
4.1.1	It is a tax rebate/discount given for medical aid contributions that reduces your tax payable to SARS.✓✓O **OR** A medical aid tax credit is a fixed amount that is deducted from the tax a person has to pay each month for contributing to a registered medical aid scheme.✓✓O	2O correct explanation (2)	F L1 M
4.1.2	✓MA ✓MA ✓RT Tax Rate = R 42 678 + [26% × (R 370 500 – R 237 100)] = R 77 362	1MA for adding 42678 1MA for multiplying by 26% 1RT for 370 500 (3)	F L2 M
4.1.3	✓MA Annual taxable income = R22500 – (R22 500 ×7,5%) = R 20 812,5× 12 ✓MA = R249 750✓A **OR** ✓MA Annual Taxable Income = R 22 500 × 12 ✓MA = R 270 000 – (R 270 000× 7,5%) = R 249 750✓A	1MA multiplying by 7,5% and subtracting 1MA multiplying by 12 1A correct answer **OR** 1MA multiplying by 12 1MA multiplying by 7,5% and subtracting 1A correct answer (3)	F L2 M
4.1.4	✓A ✓SF Annual tax = R42 678 + 26% (R 249 750 – R 237 100) = R45 967✓CA Rebate = R45 967 - R17 235 ✓MCA = R28 732 Tax payable = R28 732 – 12 (R 728 + R 246 +R 246)✓MCA = R14 092✓CA Tax payable per month = R14 092 ÷ 12✓MCA = R1 174,33✓CA	**CA from Q4.1.3** 1A correct tax bracket 1SF correct substitution 1CA correct answer 1MCA subtracting R 17 235 1MCA subtracting MTC 1CA answer 1MCA dividing by 12 1CA simplification (8)	F L3 M

4.2.1	Total Cost ✓A ✓A ✓MA = R6800 + R540 + R2,16 [(Number of GB.250) – 250 GB] **OR** Total Cost ✓A ✓A ✓MA = R6800 + R540 + R2,16 × **n** (where **n** is the number of GB above 250)	1A for R6 800 1A for R 540 1MA for multiplying R2,16 and subtracting >250GB 1A for R6 800 1A for R 540 1MA multiplying R2,16 by n (3)	F L2 M
4.2.2	Total Cost for Residential = R6 800 + R540 + R2,16 (500 – 250 GB) ✓SF = R7 880 Total Cost for Roaming = R6 800 + R900 + R9 (500 – 100 GB) ✓SF = R11 300 Difference =R 11 300 – R 7 880✓MCA =R3 420✓CA Claim is INVALID✓ O	**CA from 4.2.1** 1SF substitution 1SF substitution 1MCA subtracting 1CA simplification 1O Conclusion (5)	F L2 M
			[24]
		TOTAL MARKS:	**100**