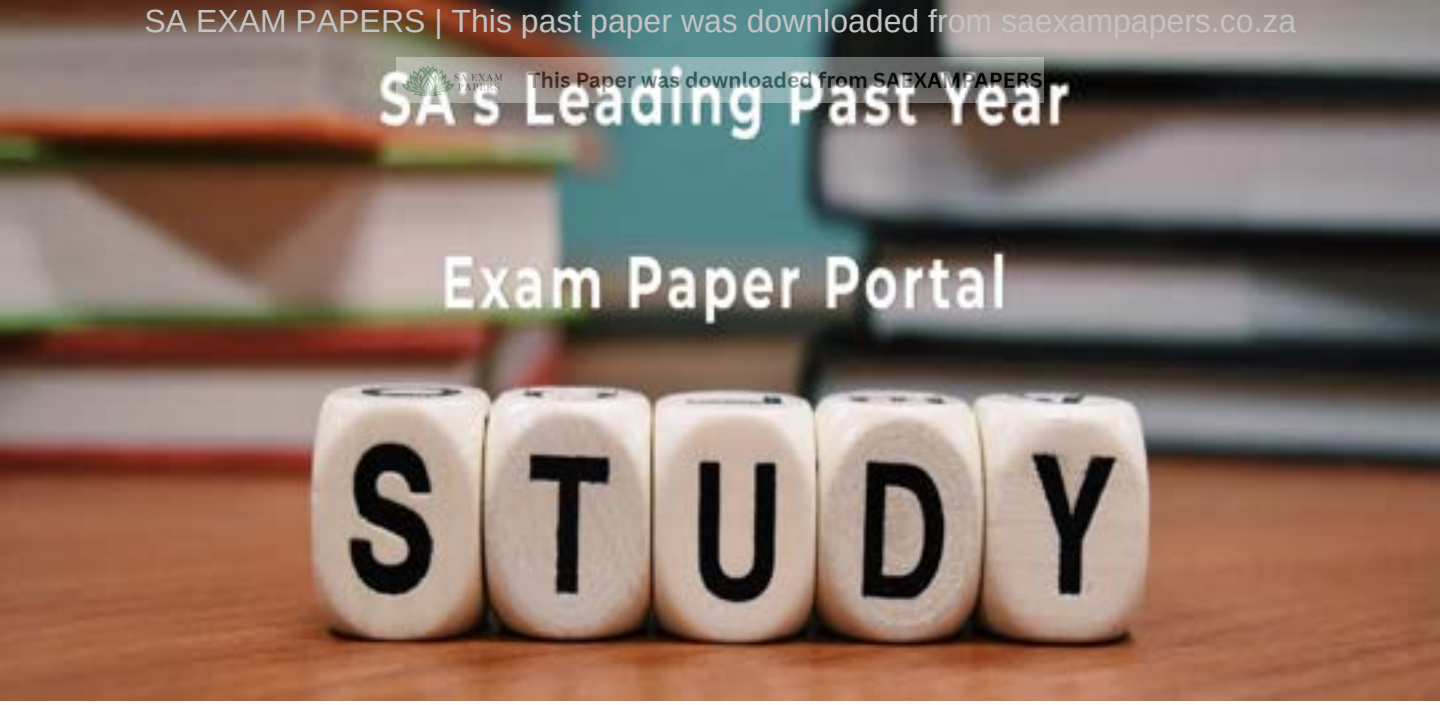

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

GRADE 12

TERM 1 TEST 1

MATHEMATICAL LITERACY
MARCH 2026
MARKING GUIDELINES

MARKS/*PUNTE*: 100

Symbol/*Kode*	Explanation/*Verduideliking*
M	Method/*Metode*
MA	Method with accuracy/*Metode met akkuraatheid*
MCA	Method with consistent accuracy/*Metode met volgehoue akkuraatheid*
CA	Consistent accuracy/*Volgehoue akkuraatheid*
A	Accuracy/*Akkuraatheid*
C	Conversion/*Herleiding*
S	Simplification/*Vereenvoudiging*
RT	Reading from a table/graph/document/diagram/*Lees vanaf tabel/grafiek/dokument/diagram*
SF	Correct substitution in a formula/*Korrekte vervanging in 'n formule*
O	Opinion/Explanation/*Opinie/Verduideliking*
P	Penalty, e.g. for no units, incorrect rounding off, etc./*Penalisasie, bv. vir geen eenhede, verkeerde afronding, ens.*
NPR	No penalty for correct rounding/*Geen penalisasie vir korrekte afronding nie*
NPU	No penalty for omitting unit, but wrong unit is penalised/*Geen penalisasie indien die eenheid uitgelos is, maar wel indien 'n verkeerde eenheid gebruik word.*
AO	Answer only/*Slegs antwoord*

These marking guidelines consist of 07 pages. *Hierdie nasienriglyne bestaan uit 07 bladsye*

QUESTION/*VRAAG* 1 [21MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
1.1.1	K ✓✓A	2A correct definition (2)	F L1
1.1.2	C ✓✓A	2A correct definition (2)	D L1
1.1.3	A ✓✓A	2A correct definition (2)	F L1
1.1.4	J ✓✓A	2A correct definition (2)	F L1
1.1.5	F ✓✓A	2A correct definition (2)	D L1
1.2			
1.2.1	Pie Chart ✓✓RT	2RT correct graph (2)	D L1
1.2.2	VAT ✓✓RT	2RT correct item (2)	D L1
1.2.3	Total amount received ✓RT = (R811,1 + R499,5 + R331,3 + R156,4 + R90,2 + R118,5) bn✓MA = R2 007 bn✓CA	1RT all correct amounts 1MA adding correct amounts 1CA simplification. **CA if only one amount is missing.** (3)	F L1
1.2.4	Fuel levies✓✓RT	2RT correct item	D L1
1.2.5	Difference = R811,1 bn – R331,3 bn ✓MA = R479,8 bn ✓A	1MA subtracting correct amounts 1A simplification (2)	F L1
		[21]	

QUESTION/*VRAAG* 2 [38MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduidel iking***	**T&L**
2.1.1	R11,00 ✓✓A	2A correct fee (2)	F L1
2.1.2	Banking fees at Nedbank: ✓A ✓SF = [R12,00 × 3] + [R12,00+ R2,75 × 10] × 2 + R10,00 ✓A = R36,00 + R79,00 +R10,00 = R125,00 ✓CA Banking fees at Capitec: ✓A ✓A = [R10,00 × 3] + [R10,00 ×1] + R2,00 ✓A = R30,00 + R10,00 + R2,00 = R42,00 ✓CA	1A cash withdrawal own ATM 1SF correct formula 1A cash send cost 1CA simplification 1A cash withdrawal own ATM 1A cash withdrawal another ATM 1A cash send cost 1CA simplification (8)	F L3
2.1.3	Banks are discouraging clients from going to the branch to reduce the number of people visiting the bank. ✓✓A **OR** Banks must pay employees working in the bank. ✓✓A **OR** To reduce the wage bill. ✓✓A	2A explanation (2)	F L4
2.2			
2.2.1	R671 872 ✓✓A	2A correct answer (2)	F L1
2.2.2	% Pension fund contribution = $\frac{\text{✓RT } R50\,390{,}40}{R671\,872 \text{ ✓MCA}} \times 100\%$ = 7,5%✓CA	**CA from 2.2.1** 1RT R50 390,40 1MCA dividing by R671 872 1CA simplification **AO** (3)	F L2
2.2.3	Taxable income = R671 872 – R50 390,40 ✓MCA = R621 481,60 ✓A	**CA from 2.2.1** 1MA subtracting correct values 1A simplification (2)	F L2

2.2.4	Annual medical tax credits ✓MA ✓RT = 2 × R376,00 + R254,00 ✓RT = R1 006,00 × 12 ✓MA = R12 072,00✓CA **OR** Annual medical tax credits ✓RT ✓MA = R376,00 + R376,00 +R254,0✓RT = R1 006,00 × 12✓MA = R12 072,00✓CA	1MA multiplying by 2 1RT 376 1RT 254 1MA multiplying by 12 1CA simplification **OR** 1RT 376 1MA adding amounts 1RT 254 1MA multiplying by 12 1CA simplification (5)	F L3
2.2.5	Tax threshold for age 65 to age 74 ✓RT ✓RT = R17 820 + R9 765 ✓MA = R27 585 ✓MCA = R27 585 ÷ 18%✓MCA = R153 250 **OR** = R153 250 × 18% ✓MA = R27 585✓MCA ✓RT ✓RT = R27 585 – (R17 820 + R9 765) ✓MA =R0	1RT R17 820 1RT R9 765 1MA adding correct rebates 1MCA simplification 1MCA dividing by 18% **OR** 1MA calculating 18% 1MCA simplification 1RT R17 820 1RT R9 765 1MA subtracting rebates (5)	F L3
2.2.6	Annual tax payable before rebates = R125 599 + 36% (R621 481,60 – R530 200) ✓MCA = R125 599 + 36% × R91 281,60 = R125 599 + R32 861,38 =R158 460,38✓CA Annual tax payable after rebates ✓RT ✓RT = R158 460,38 – R17 820 – R9 765 – R12 072✓MCA = R118 803,38✓CA Monthly tax payable = $\frac{R118\,803,38}{12}$ = R9 900,28✓CA Genelle's Monthly income = R671872 ÷12 = R55 989,33 Monthly tax according to the deduction table = R12 413✓RT Genelle's statement is VALID. ✓O	**CA from 2.2.3** 1MCA correct tax bracket 1CA simplification 1 RT correct rebate 1RT correct rebate 1MCA subtracting MTC 1CA simplification 1CA monthly tax 1RT R12 413 1O conclusion (9)	F L4
		[38]	

QUESTION 3 [21MARKS]			
Ques	**Solution**	**Explanation**	**Level**
3.1.1	卌 ||| ✓✓A	2A correct tally (2)	D L1
3.1.2	8 ✓✓A	**CA from 3.1.1** 2A correct frequency (2)	D L1
3.1.3	✓RT = 31 + 16 = 47✓A **OR** ✓RT 0 + 4+ 6 + 13 + 8 + 16 = 47 ✓A	1RT correct values 1A simplification **OR** 1RT correct values 1A simplification (2)	D L1
3.1.4	30 - 39✓✓RT	2RT correct modal class (2)	D L2
3.1.5	Histogram ✓✓A	2A correct graph (2)	D L2
3.2			
3.2.1	Total number = 12 409 891 + 15 313 929 ✓MA = 27 723 820 ✓A ✓RT Probability = $\frac{12\,409\,891}{27\,723\,820\ \checkmark\text{MCA}} \times 100\%$ = 44,76% ✓CA	1MA adding correct values 1A correct total 1RT correct numerator (12 409 891) 1MCA concept of probability 1CA simplification **Accept 44,8% and 45%** (5)	D L2
3.2.2	✓MA Mean = $\frac{21\,181\,787+K}{9}$ 3 080 424,4 = $\frac{21\,181\,787+K}{9}$ ✓MA 21 181 787 + K = 27 723 819,6 K = 6 542 032,6✓CA K = 6 542 033 ✓R	1MA adding all values 1MA concept of mean 1CA simplification 1R rounding (4)	D L3

3.2.3	From 20 – 39 years the number of registered female voters increases. ✓O From 40 years and above the number of registered female voters decreases. ✓O	1O age and voters increase 1O age and voters decrease (2)	D L4
		[21]	

QUESTION 4 [20 MARKS]			
Ques	**Solution**	**Explanation**	**Level**
4.1.1	South African Rand ✓✓RT	2RT correct currency (2)	F L2
4.1.2	Japan✓✓RT	2RT correct country (2)	F L2
4.1.3	€ 1 = BRL 6,1698 ✓RT = 6,1698 × 3,0726 ✓MCA = R18,9573 ✓CA	1RT correct rate 1MCA multiplying correct values 1CA simplification **Accept R18,957/R18,96** **AO** (3)	F L2
4.1.4	Difference (in US$) = 40,9 billion – 40,7 billion ✓MA = 0,2 billion ✓A Difference (in BRL) = 0,2 billion × 5,1215 = 1,0243 billion✓CA Difference (in €) = 1,0243 ÷ 6,1698 = 0,1660183474 billion = 166,0183474 million ✓CA His statement is VALID✓O	1MA difference in US$ 1A simplification 1CA simplification 1CA answer in millions 1O conclusion **NPR** (5)	F L4
4.2.1	17,9 inches ✓✓RT	2RT reading from the chart. **Accept 17,8 – 18** (2)	D L2
4.2.2	9 months✓RT 12 months ✓RT 18 months✓RT	1RT correct ages 1RT correct age 1RT correct age (3)	D L2
4.2.3	The boy is between the 50th and 75th percentiles✓✓RT The boy fell in a higher percentile. ✓A	2RT between 50th and 75th percentile. 1A conclusion (3)	D L4
		[20]	
	TOTAL MARKS: 100		