KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

PROVINCIAL STANDARDISED ASSESSMENT

GRADE 11

MATHEMATICAL LITERACY P1

JUNE 2026

MARKING GUIDELINE

MARKS: 75

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

This marking guideline consists of 6 pages.

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NOTE:

- *If a learner answers a question TWICE, only mark the FIRST attempt.*
- *If a learner 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 learner presents extra solution when reading from the graph, table, layout plan and map, then penalise for every extra item presented.*
- *Rounding is an independent mark.*
- *General principle of marking, if the candidate makes one mistake one mark is deducted.*
- *A conclusion mark can only be given if relevant calculations precedes it, (at least ⅓ of the marks before conclusion).*
- *No penalty for rounding (NPR) if the first decimal is correct.*

QUESTION 1 [14 MARKS] **ANSWER ONLY FULL MARKS**			
QUE	**SOLUTION**	**EXPLANATION**	**T&L**
1.1.1	✓MA ✓RT UIF = 1% × R17 712 = R177,12	1RT R17 712 1MA multiplying by 1% (2)	F L1 E
1.1.2	✓MA Total UIF annual contribution = R80 × 2 ×12 months = R1 920 ✓A	1MA multiplying by both 2 and 12 1A answer (2)	F L1 M
1.1.3	Retrenchment benefit ✓✓O **OR** Short illness benefit ✓✓O **OR** Maternity/Adoption benefit ✓✓O **OR** Reduced time work benefit ✓✓O **OR** Death benefit✓✓O **OR** Unemployment benefit✓✓O	2O opinion (2)	F L1 E
1.2.1	Total number of workers/employees/staff members at Mt Lodge. ✓✓O	2O explanation (2)	DH L1 E
1.2.2	20 : 80 ✓MA 1 : 4 ✓S	1MA correct ratio and order 1S simplification (2)	DH L1 E
1.2.3	P (female worker) = $\frac{48}{80}$ ✓MA = 0,6 ✓A	1MA correct fraction 1A answer (2)	P L1 E
1.2.4	No of new employees = 10% × 80 workers ✓MA = 8 workers ✓A	1MA multiplying 10% by 80 1A answer (2)	DH L1 E
			[14]

QUESTION 2 [30 MARKS]			
QUE	**SOLUTION**	**EXPLANATION**	**T&L**
2.1.1	To provide a basic amount of water for essential human needs.✓✓O **OR** Provide free water for low-income households. ✓✓O **OR** To ensure everyone has access to clean water. ✓✓O	2O opinion (2)	F L4 D
2.1.2	VAT Amount = 15% × R644,35 ✓MA =R96,65 ✓A	1MA concept of VAT 1A simplification (2)	F L2 E
2.1.3	R300 ✓✓RT	2RT correct amount (2)	F L2 M
2.1.4	No. of kl in block 2 = 15kl – 6kl =9kl ✓A Tariff charge = $\frac{R111,60}{9kl}$ ✓MA = R12,50 ✓CA = R12,50 × 115%✓MA =R14,26 **OR** No. of kl in block 2 = 15kl – 6kl =9kl ✓A Tariff charge = $\frac{R111,60}{9kl}$ = R12,50 ✓CA = R12,50 × 15% ✓MA = R1,76 = R12,50 + R1,76 ✓MA =R14,26 **OR** No. of kl in block 2 = 15kl – 6kl =9kl ✓A Tariff charge = R111,60 x 115% ✓MA = $\frac{R128,34}{9}$ ✓CA ✓MA = R 14,26	 1A number of kl in block 2 1MA dividing R111,60 by 9kl 1CA simplification 1MA multiplying by 115% **OR** 1A number of kl in block 2 1CA simplification 1MA multiplying by 15% 1MA adding to R12,50 OR 1A number of kl in block 2 1MA 1CA simplification 1MA dividing by 9 (4)	F L3 D
2.1.5	Total monthly kl = 0,645 kl × 31 days ✓MA =19,995 kl ✓A Invalid. 19,995kl is less than 30kl ✓O	1MA multiplying by 31 days in July 1A simplification 1O justification with comparison (3)	F L3 M
2.2.1	Maximum charged in block 3 = 30kl - 15kl ✓MA = 15kl✓A	1MA subtracting correct values 1A maximum kl **AO** (2)	F L2 E
2.2.2	Total consumption cost ✓A ✓A = R242,25 +R25,30 × number of kl used in block 3 **OR** ✓A ✓A = R242,25 +R25,30 × (total number of kl used – 15 kl)	 1A adding correct block 3 tariff 1A independent variable **OR** 1A adding correct block 3 tariff 1A independent variable (2)	F L2 D

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QUE	SOLUTION	EXPLANATION	L&T
2.2.3	Total cost = R242,25 + R25,30 × 7kl ✓MCA = R242,25 + R177,10 = R419,35 ✓CA Total cost including VAT VAT = 15% × R419,35 ✓MA = R62,90 =R419,35 + R62,90✓MCA =R482,25✓CA **OR** Total costs ✓MCA = (6kl × 12,40) + (9kl × R18,65) + (7kl × R25,30) =R74,40 + R167,85 +R177,10 ✓S =R419,35 ✓CA Total cost including VAT = R419,35 × 115% ✓MCA = R482,25✓CA	**CA from 2.2.2** 1MCA multiplying tariff by 7kl 1CA simplification 1MA multiplying by 15% 1MCA adding VAT amount 1CA answer **OR** 1MCA multiplying tariff by 7kl 1S simplification 1CA simplification 1MCA VAT concept 1CA answer (5)	F L3 M
2.2.4a)	Sanitation cost = 70% × R482,25✓MCA = R337,58 ✓CA	**CA from 2.2.3** 1MCA multiplying by 70% 1CA answer (2)	F L2 E
2.2.4 b)	Total bill = R482,25 + R337,58✓MCA = R819,83 ✓CA	**CA from 2.2.3 & 2.2.4a** 1MCA adding correct values 1CA simplification (2)	F L2 E
2.2.4 c)	Fix water pipes/taps leaks ✓✓O Take shorter showers/use less bath water ✓✓O **OR** Reduce flush cistern/tank water volume ✓✓O Re-use of water ✓✓O **OR** Collect rain water ✓✓O	2O opinion 2O opinion (4)	F L4 M
			[30]

QUESTION 3 [16 MARKS]			
QUE	**SOLUTION**	**EXPLANATION**	**T&L**
3.1.1	Temperature =32 °C ✓RT Number of cups = 10 ✓RT	1RT correct temperature 1RT correct number of cups (2)	DH L1 E
3.1.2	✓A Positive correlation, as the temperature increases, the number of lemonade cups sold also increases.✓✓O	1A correct correlation 2O explanation **Description without correlation full marks** (3)	DH L4 E
3.1.3	✓RT ✓RT Difference = 60 cups – 40 cups = 20 cups ✓CA	1RT 60 cups 1RT 40 cups 1CA answer (3)	DH L3 M
3.1.4	Poor marketing strategy. ✓✓O **OR** Heavy competition. ✓✓O **OR** Business sabotage. ✓✓O **OR** Water /other beverages preference. ✓✓O **OR** People prefer to be indoors. ✓✓O **OR** Insufficient stock/material. ✓✓O **OR** Malfunctioning of equipment. ✓✓O	2O opinion (2)	DH L4 D
3.2.1	Total = 56 + 40 ✓MA = 96 cups✓A	1MA adding correct values 1A answer **AO** (2)	DH L1 E
3.2.2	Number of peach-flavoured = $\frac{3}{5} \times 30$✓MA =18 cups✓A	1MA correct ratio concept 1A correct number of cups (2)	DH L2 M
3.2.3	Double bar graph✓✓A **OR** Stacked bar graph✓✓A	2A correct graph **Give 1 mark for bar graph** (2)	DH L1 E
			[16]

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QUESTION 4 [15 MARKS]			
QUE	**SOLUTION**	**EXPLANATION**	**T&L**
4.1.1	A = €1 150 + €75 ✓MA = €1 225✓A	1MA adding correct values 1A answer (2)	F L2 E
4.1.2	Total due in Rands = €1 225 × R20,48 ✓MCA = R25 088✓CA	**CA from 4.1.1** 1MCA multiplying correct values 1CA amount in Rands (2)	F L2 E
4.1.3	✓MCA ✓MA Total fees = 0,60% × R25 088 + R212,75 = R150,53 + R212,75 = R363,28 ✓CA Invalid statement✓O	**CA from 4.1.2** 1MCA multiplying by 0,60% 1MA adding R212,75 1CA simplification 1O justification (4)	F L4 E
4.2.1	Discrete data. ✓A Cost Money can only be counted. ✓O	1A Discrete 1O explanation (2)	DH L1 E
4.2.2	Mean ✓MA $= \frac{R1\,450 + (R1\,800 \times 2) + R2\,100 + (R1\,250 \times 2) + R1\,890}{7}$ ✓MA =R1 648,57✓CA	1MA adding all correct values 1MA dividing total by 7 1CA answer (3)	DH L2 E
4.2.3	✓MA R1250; R1250; R1450; R1800; R1800; R1890; R2100 Median = R1800 ✓A	1MA arranging values correctly 1A answer (2)	DH L2 E
			[15]
		TOTAL MARKS:	**75**

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