



2026

MATHEMATICAL LITERACY
TERM 2 ASSIGNMENT
MARKING GUIDELINE
GRADE: 11

MARKS: 50

TIME: 1 HOUR

SYMBOL	EXPLANATION
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG	Reading from the table/ reading from the graph
SF	Substitution in the formula
O	Opinion
R	Rounding off
F	deriving a formula

QUESTION 1 [13]

QUES	POSSIBLE ANSWER	MARKS AWARDED	TOPIC and TL
1.1	The cost including VAT amount ✓✓	2 A (2)	F1
1..2	Method 1 $\text{VAT amount} = \frac{15}{100} \times R\ 30\ 000 = R\ 4\ 500 \checkmark$ $A = R\ 30\ 000 + R\ 4\ 500 = R\ 34\ 500$ Method 2 $100\% + 15\% = 115\% \checkmark$ $A = R\ 30\ 000 \times \frac{115}{100} = R\ 34\ 500 \checkmark$	1M Multiplying by 15% 1A Answer 1M Adding 1M Adding percentages 1M Multiplying by 115/100 1A Answer (6)	F2
1.3	VAT rate = 15 % + 2 % = 17 % ✓ $\text{VAT amount} = \frac{17}{100} \times R\ 5\ 000 = R\ 8\ 500$	1A New VAT rate 1M Multiplying by the new VAT rate 1CA Answer (3)	F3
1.4	Tax is essential for funding public services like education, healthcare, and infrastructure, while driving economic stability and development. ✓✓ OR Any relevant explanation	2A Reason (2)	F4

QUESTION 2 [19]

2.1.1	British pound✓✓	2 A Answer (2)	F1
2.1.2	Seventeen✓ cents✓ OR Zero point seventeen✓ rands✓	1A Seventeen 1A cents 1A Zero point seventeen 1A cents (2)	F1
2.1.3	Switzerland	2 A Answer (2)	F1
2.1.4	$2\,300 \times 16,52 = R\,37\,996✓$ $2\,450 \times 11,81 = R\,28\,934,50✓$ $50\,000 \times 0,17 = R\,8\,500✓$ $R\,37\,996 + R\,28\,934,50 + R\,8\,500 = R\,75\,430,50$	1M Multiplying USD by exchange rate 1A Answer of USD to Rands 1A Answer of AUD to Rands 1A Answer of INR to Rands 1M Adding the converted values 1CA Answer (6)	F3
2.2.1	The company was closed for festive season OR Some employees took a leave for festive season therefore less amount of water was used	2REASON (2)	DH 4
2.2.2	Amount of kilolitres used = 119 $9 \times R\,0,00 = R\,0,00$ $9 \times R\,33,32 = R\,299,90$ $12 \times R\,45,32 = R\,543,84$ $12 \times R\,51,90 = R\,622,80$ $18 \times R\,55,90 = R\,1\,006,20$ $59 \times R\,59,46 = R\,3\,508,14$ Total cost = R0,00+ R299,90 + R543,84+ R622,80+ R1 006,20+ R3 508,14 = R5 980,88	1RT 1M $9 \times R\,0,00$ or any of the other calculation 1A $R\,0,00$ or any of the other calculation 1MCA Addition 1CA Answer (5)	F 2

QUESTION 3 [18]

3.1.1	<i>One unit on the map represents two thousand units in real life</i> OR One mm on the map represents two thousand mm in real life One cm on the map represents two thousand cm in real life	2 A Explanation (2)	MP1
3.1.2	5	2A Answer (2)	MP1
3.1.3	$1,5 \text{ cm} \times 2\,000 = 30\,000 \text{ cm}$ $30\,000 \div 100\,000$ 30 km	1M Multiplying by the scale factor 1A Answer 1CA Converted answer (3)	MP2
3.2.1	Discrete	2A (2)	MP1
3.2.2	Mean = $\frac{8\,961 + 5\,924 + 11\,714 + 4\,329 + 2\,687 + 1\,105 + 6\,369 + 2\,819}{8}$ $= \frac{43\,908}{8}$ $= 5\,488,5$ $\approx 5\,489$	1M Concept of mean 1A Sum of the values 1CA Answer 1R Rounding (4)	DH 2
3.2.3	Range = maximum – minimum $= 11\,714 - 1\,105$ $= 10\,609$	1 Formula 1S Substitution 1CA Answer (3)	DH2
3.2.4	Eleven thousand seven hundred and fourteen.	1A (2)	DH 1

Question	L1	L2	L3	L4	Total
1.1	2				2
1.2		6			6
1.3			3		3
1.4				2	2
2.1.1	2				2
2.1.2	2				2
2.1.3	2				2
2.1.4			6		6
2.2.1				2	2
2.2.2		5			5
3.1.1	2				2
3.1.2	2				2
3.1.3		3			3
3.2.1	2				2
3.2.2		4			4
3.2.3		3			3
3.2.4	2				2
TOTAL	16	21	9	4	50
Final total	32	42	18	8	100
% Req Topic	30	30	20	20	100