



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

MID - YEAR EXAMINATION

GRADE 10

MATHEMATICAL LITERACY P1

JUNE 2026

MARKS: 50

TIME: 1 HOUR

This question paper consists of 7 pages

INSTRUCTIONS AND INFORMATION

1. This question paper consists of FOUR questions. Answer ALL the questions.
2. Number the questions correctly according to the numbering system used in this question paper.
3. Start EACH question on a new page.
4. You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.
5. Show ALL calculations clearly.
6. Round ALL the final answers appropriately according to the context, unless stated otherwise.
7. Indicate units of measurement, where applicable.
8. Diagrams are NOT necessarily drawn to scale, unless stated otherwise.
9. Write neatly and legibly.

QUESTION 1

Lethabo enrolled for honours degree in accounting science at the University of Johannesburg. She receives monthly allowance of R6 500,00 from her parents and works as a tutor for the first-year students at her institution. The University pays her a monthly wage of R4 300.

TABLE 1 below show Lethabo's monthly budget.

TABLE 1: LETHABO'S MONTHLY BUDGET

INCOME		EXPENDITURE	
Allowance	R6 500	Rent	R3 500
Wage	R4 300	Food	R3 000
		Clothes	R500
		Entertainment	R400
		Others	R800
Total	A		R8 200

Source:

Use TABLE 1 and the information above to answer the questions that follow.

- 1.1 Define the term *budget* in this context. (2)
- 1.2 Calculate the value of **A**, her total monthly income. (2)
- 1.3 Arrange the expenditure amounts in ascending order. (2)
- 1.4 Determine the median of the expenditure amounts. (2)
- 1.5 The university received the donation of one million and three hundred and twenty-four rand, to fund the accounting science students.

Write down this amount in numerals. (2)

[10]

QUESTION 2

2.1

Below is a till slip that Loria received after shopping for clothes.

28/04/2026 13:40:10 Transaction Number:208 005 Tax invoice no:1122352	Store No: 261 Cashier Name: Michael
ITEM	AMOUNT
Plain Skirt	850,00
Plain Top	599,00
Plain Top discount @ 40%	B
SUBTOTAL (EXCLUDING VAT)	1 051,65
VAT @ 15%	157,75
TOTAL AMOUNT PAID (Including VAT)	1 209,40

[Source: adapted from an actual till slip]

Use the till slip above to answer the questions that follow:

- 2.1.1 Write down the name of the cashier. (2)
- 2.1.2 Determine the number of items bought at this store. (2)
- 2.1.3 Calculate the value of **B**, the discount on the plain top. (3)
- 2.1.4 Determine the probability of buying an item that cost less than R500,00. (2)
- 2.1.5 Determine the unit ratio of the plain top to the total amount paid. (3)

2.2

Loria stays in Polokwane and used 32 kℓ of water in August 2025. Table 3 below shows water tariffs for Polokwane Municipality for the year 2025/2026.

TABLE 3: WATER TARIFFS FOR POLOKWANE

Block	Tariff (Rand per kℓ)
0 – 5 kℓ	Free
5 kℓ – 10 kℓ	R21,86
10 kℓ -15 kℓ	R25,56
15 kℓ -20 kℓ	R34,08
20 kℓ -50 kℓ	R40,49
≥100 kℓ	R49,02

[Adapted from: www.polokwane.gov.za/tariffs]

Use the information and Table 3 above to calculate the total cost Loria paid for 32 kℓ of water used.

(5)

[17]

QUESTION 3

A survey was conducted on all the learners at a Maphutha Secondary School to determine the number of boys and girls who enjoy reading. The results are provided in Table 2 below.

TABLE 2: NUMBER OF BOYS AND GIRLS WHO ENJOY READING.

	ENJOY READING	DO NOT ENJOY READING	TOTAL
BOYS	C	362	520
GIRLS	414	220	634
TOTAL	572	582	1 154

Use the information on Table 2 above to answer questions that follow.

- 3.1 Is the data above regarded as a sample or a population? (2)
- 3.2 Determine the missing value of **C** in the table. (2)
- 3.3 Identify the gender that enjoys reading the least. (2)
- 3.4 What advice would you give to the principal of the school to encourage more reading amongst the group mentioned in 3.3 above? (2)
- 3.5 Give an example of a business that will find the above data useful. (2)

[10]

QUESTION 4

Jerry opened a current account at BKIY bank. TABLE 3 below indicates the transactions made by Jerry using his current account card in March.

TABLE 3: JERRY'S BANK STATEMENT FOR THE MONTH OF MARCH

DATE	TRANSACTION	DEBIT (IN RANDS)	CREDIT (IN RANDS)	BALANCE
	Opening Balance			-240,42
01 March	Cash deposit		8 000,00	7 759,58
02 March	ATM Cash	1 000,00		6 759,58
02 March	ATM fee	10,32		6 759,58
04 March	Card Payment Take 5 supermarket	D		3 331,58
12 March	Card POS Purchase Ramp uncapped data	599,00		2 732,58
17 March	Debit card POS Purchase Cash & Carry store	1 840,00		892,58
29 March	#Monthly account fee	210,00		682,58
	TOTAL	7 087,32		
	Closing balance			672,26

Use the information on TABLE 3 above to answer questions that follow.

- 4.1 Explain the meaning of the term *closing balance* in this context of the question. (2)
- 4.2 Calculate the value of **D**. (2)
- 4.3 Show with calculations that the monthly account fee is 2,96% of the total debits. (2)
- 4.4 Provide a possible reason why banks charge monthly account fee. (2)
- 4.5 Determine the range for the debit transactions. (2)
- 4.6 Jerry claimed that the mean for the debit column is more than a thousand rands. Verify, showing ALL calculations if his claim is valid. (3)

[13]

TOTAL MARKS: [50]



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MARKING GUIDELINE

MARKS : 50

Symbol/Simbool	Explanation/Verduideliking
M	Method/Metode
M/A	Method with accuracy/Metode van akkuraatheid
CA	Consistent accuracy/Volgehoue akkuraatheid
A	Accuracy/Akkuraatheid
C	Conversion/Herleiding
S	Simplification/Vereenvoudiging
RT	Reading from a table/graph/diagram/Lees vanaf tabel/grafiek/diagram
SF	Correct substitution in a formula/Korrekte vervanging in formule
O	Opinion/Example/Definition/Explanation/Opinie/Voorbeeld/Definisie/Verduideliking
P	Penalty, e.g., for no units, incorrect rounding off, etc./Penalisasie, bv. vir geen eenhede/verkeerde afronding ens.
R	Rounding off/afronding
NPR	No penalty for rounding/Geen penalisering vir afronding nie
NPU	No penalty for the units/Geen penalisering vir eenhede nie
AO	Answer only, if correct, full marks/Slegs antwoord, indien korrek, volpunte
MCA	Method with consistent accuracy/Metode met volgehoue akkuraatheid

This marking guideline consists of 5 pages.

Ques	Solution	Explanation	T & L
QUESTION 1 [10 MARKS]			
1.1	An estimate of income and expenditure for Lethabo. ✓✓A	2A correct definition (2)	F L1
1.2	Total income = R6 500 + R4 300 ✓MA = R10 800 ✓A	1MA adding correct values 1A simplification NPU (2)	F L1
1.3	✓RT R400; R500; R800; R3 000; R3 500 ✓MA	1RT correct values 1A ascending order NPU (2)	D L1
1.4	R800 ✓✓A	2A Median NPU (2)	D L1
1.5	R1 000 324 ✓✓A	2A numerals NPU (2)	F L1
QUESTION 2 [17 MARKS]			
2.1.1	Michael ✓✓RT	2 RT correct name (2)	F L1
2.1.2	2 ✓✓A	2A correct answer (2)	F L1
2.1.3	✓RT $B = R599 \times \frac{40}{100}$ ✓MA $= R239,60$ ✓CA OR $B = R1\,209,40 - (R850 + R599)$ ✓RT ✓MA $= R239,60$ ✓CA	1RT correct percentage 1MA multiplying correct amount 1CA value of B 1RT all correct values 1MA subtraction and addition 1CA value of B AO NPU (3)	F L2
2.1.4	Impossible/zero ✓✓A	2A probability (2)	P L2
2.1.5	✓RT 599 : 1 209,40 ✓A 1 : 2 ✓A	1RT both correct values 1A correct order 1A simplification (3)	F L3

Ques	Solution	Explanation	T & L
2.2	Total cost : $5 \times 0 = 0 \checkmark A$ $5 \times R21,86 = R109,30$ $5 \times R25,56 = R127,80 \checkmark A$ $5 \times R34,08 = R170,40$ $12 \times R40,49 = R485,88 \checkmark A$ $\checkmark MCA$ Total = $R109,30 + R127,80 + R170,40 + R485,88$ $= R893,38 \checkmark CA$	1A for free tariff 1A for second and third interval 1A for multiplying by 12 1MCA addition 1CA total cost (5)	F L3
QUESTION 3 [10 MARKS]			
3.1	Population $\checkmark \checkmark O$	2O correct answer (2)	D L1
3.2	$C = 520 - 362 \checkmark MA$ $= 158 \checkmark A$ OR $C = 572 - 414 \checkmark MA$ $= 158 \checkmark A$	1MA subtracting correct values 1A value of C (2)	D L2
3.3	Boys (Males) $\checkmark \checkmark RT$	2RT correct gender (2)	D L2
3.4	Be a good reading "role model" for the learners. $\checkmark \checkmark O$ OR Invite learners to socialize around reading $\checkmark \checkmark O$ OR Allocate reading time at school $\checkmark \checkmark O$ OR Have reading competitions $\checkmark \checkmark O$ OR Accept also: Build library/Get interesting reading material/give rewards for reading. $\checkmark \checkmark O$	2O explanation Any relevant answer. (2)	D L4

Ques	Solution	Explanation	T & L
3.5	Any company that sells books ✓✓O OR Library ✓✓O OR Publishers ✓✓O OR Book club ✓✓O OR Name of publishers ✓✓O  Note: If learners name publishers e.g. Macmillan, Pearson etc. or bookstores e.g. CNA, PNA etc. give two marks.	2O explanation Any relevant reason (2)	D L4
QUESTION 4 [13 MARKS]			
4.1	Total amount of money remaining in Jerry's bank account. ✓✓O	2O explanation (2)	F L1
4.2	$D = R6\,759,58 - R3\,331,58$ $= R3\,428,00$ OR $D = 7\,087,32 - (R210 + R1840 + R599 + R10,32 + R1000)$ $= 7\,087,32 - R3\,659,32$ $= R3\,428,00$	1MA subtraction values 1 CA answer if at least one value is correct 1MA adding and subtraction values 1CA simplify and answer AO (2)	F L2
4.3	$\text{Monthly account fee} = \frac{R210}{R7087.32} \times 100$ $= 2,96\%$ OR $\text{Monthly account fee} = \frac{2,96}{100} \times R7087.32$ $= 209,8$ $\approx R210,00$	1A both numerator and denominator 1M multiplying by 100 1MA multiplying correct percentage 1CA answer (2)	F L3

Ques	Solution	Explanation	T & L
4.4	Banks have to pay salaries ✓✓O OR Banks have to pay rent, electricity, water and security. ✓✓O OR To make profit/money. ✓✓O	2O explanation Any other relevant reason (2)	F L4
4.5	Range = R3 428 – R10,32 ✓MA = R3 417,68 ✓CA	CA from 4.2 1MA subtracting correct values 1CA answer AO (2)	D L2
4.6	Mean = $\frac{R(1000+10.32+3428+599+1840+210)}{6}$ ✓MA = R1 181,22 ✓CA Jerry's statement is valid ✓O OR Mean = $\frac{R7\ 087,32}{6}$ ✓RT ✓M = R1 181.22 Jerry's statement is valid ✓O	CA value of D from 4.2 1MCA adding all values and dividing by 6 1CA simplification 1O conclusion 1RT R7 087,32 1M dividing by 6 1O conclusion (3)	D L4
	GRAND TOTAL: 50 Marks		