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

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This question paper consists of 7 pages

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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.

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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]

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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)

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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]

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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

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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)

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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

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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]