Province of the
EASTERN CAPE
EDUCATION

Iphondo leMpuma Kapa: Isebe leMfundo
Provinsie van die Oos Kaap: Department van Onderwys
Porafensie Ya Kapa Botjahabela: Lefapha la Thuto

NATIONAL SENIOR CERTIFICATE

GRADE 12

JUNE 2026

MATHEMATICAL LITERACY P1

MARKS: **100**

TIME: **2 hours**

This question paper consists of 9 pages.

Thank you for choosing www.ecexams.co.za to download examination documents.

INSTRUCTIONS AND INFORMATION

1. Write your FULL NAME and SURNAME on the cover page of the ANSWER BOOK.
2. The question paper consists of FOUR QUESTIONS. Answer ALL the questions in the ANSWER BOOK.
3. You may use a non-programmable calculator.
4. You may use appropriate mathematical instruments.
5. Show ALL formulae and substitutions in ALL calculations.
6. Round off your final numerical answers to a minimum of TWO decimal places.
7. Write neatly and legibly.

Copyright reserved

Thank you for choosing www.ecexams.co.za to download examination documents.

QUESTION 1

1.1 Various options are provided as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question numbers (1.1.1 to 1.1.5) in the ANSWER BOOK, for example 1.1.6 D

1.1.1 A 76-year-old in South Africa qualifies for which rebates?

A Medical tax credit
B Threshold
C Primary
D All three rebates (2)

1.1.2 One of the following is NOT a stage in data handling.

A Collecting data
B Summarising data
C Classifying data
D Questionnaire (2)

1.1.3 The price of a burger at Spur on a Monday special is quoted as R84,50. If the manager claims that it is half the original price, then the price of the burger will be … on Tuesday.

A R100,00
B R169,00
C R42,25
D None of the above (2)

1.1.4 The probability of selecting a learner doing Mathematical Literacy at a primary school in South Africa is …

A 50 %.
B 0,5.
C impossible.
D certain. (2)

1.1.5 The point at which the expenses are equal to the income.

A Profit
B Loss
C Break-even
D Surplus (2)

Copyright reserved

Thank you for choosing www.ecexams.co.za to download examination documents.

1.2 Give ONE term for each of the following descriptions. Write only the term next to the question numbers (1.2.1 to 1.2.3) in the ANSWER BOOK. Abbreviations, acronyms and examples will NOT be accepted.

1.2.1 The organisation responsible for collecting tax in South Africa. (2)

1.2.2 The relationship between the height and mass of a person. (2)

1.2.3 The most frequent score in a data set. (2)

1.3 A recent report shows that 11,7 million South Africans shop online, choosing sites with a broad product range and trusted payment systems. There are 64,01 million people in South Africa according to the census carried out in 2024.

1.3.1 Write 11,7 million in words. (2)

1.3.2 Calculate the number of people in South Africa who do not shop online. (2)

[20]

Copyright reserved

Thank you for choosing www.ecexams.co.za to download examination documents.

QUESTION 2

2.1 Mr and Mrs Soduku received a bill from their municipal office. Mr Soduku claims that the bill for the month will be R1 200. The meter reader submitted the following readings for the previous month.

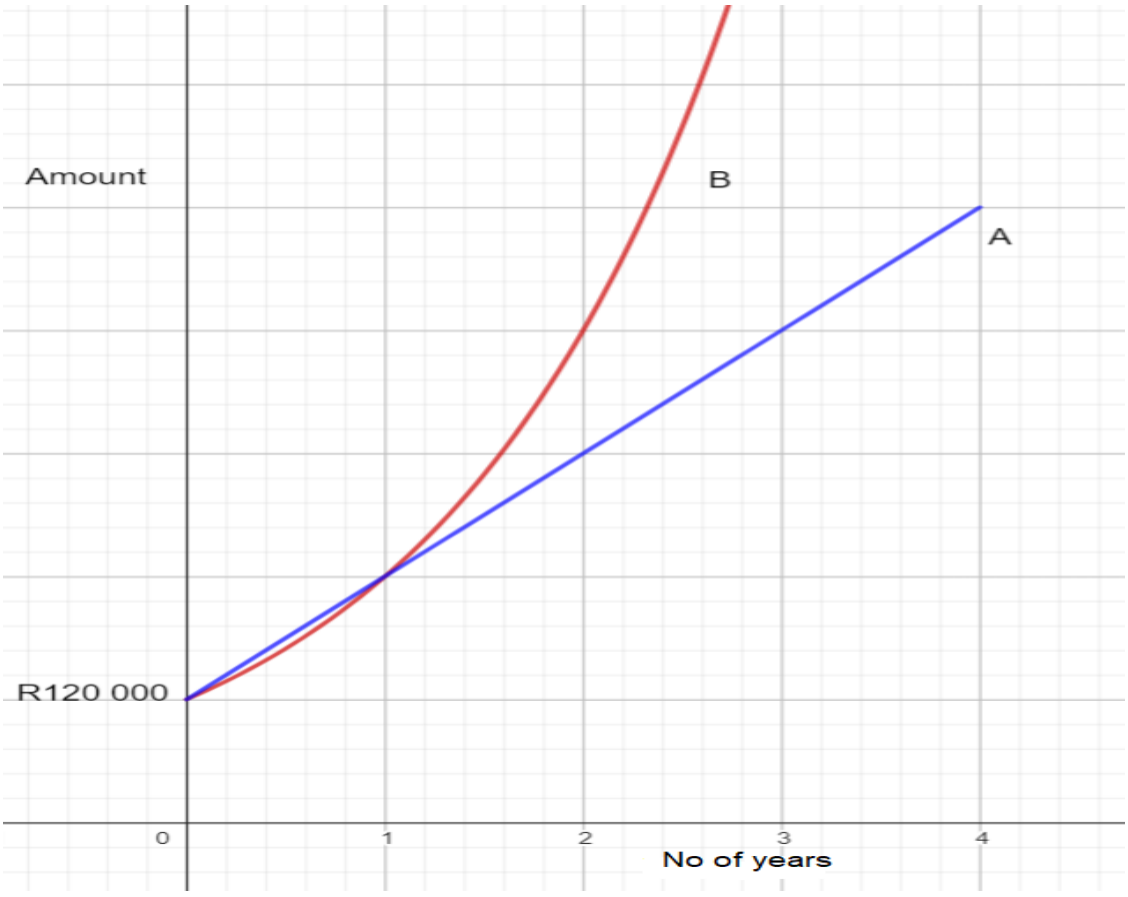
DATE OF READING	METER READING (kℓ)
13 June 2025	0001235
14 July 2025	0001321

KILOLITRES	TARIFF IN CENTS (VAT EXCLUDED)
0 to 6 kℓ	904
7 to 10 kℓ	1 027
11 to 20 kℓ	1 335
21 kℓ and above	1 639

2.1.1 Calculate the amount of water used by the Soduku family from 13 June to 14 July 2025. (2)

2.1.2 Verify whether Mr Soduku's claim is valid. (8)

2.2 Mr Soduku invested R120 000 into an investment account, where various options of interest were presented to him. The options are displayed on the graph below.



Thank you for choosing www.ecexams.co.za to download examination documents.

2.2.1 Determine the type of interest represented by option **A**. (2)

2.2.2 During which year do the two options start to differ by a greater amount? (2)

2.2.3 The bank and Mr Soduku agreed on 15% p.a compounded annually. Calculate the interest he received after three years. (5)

2.2.4 Give a reason why Mr Soduku opted for option **B**. (2)

2.3 Mr Soduku earns R45 600 per month. He contributes 15% towards pension to boost his retirement savings. He has medical aid for himself, his wife and two children.

Given below is the tax and rebates table for the 2025/2026 tax year

2025 TAX YEAR (1 MARCH 2025–28 FEBRUARY 2026)

TAXABLE INCOME (R)	RATES OF TAX (R)
1–237 100	18% of taxable income
237 101–370 500	42 678 + 26% of taxable income above 237 100
370 501–512 800	77 362 + 31% of taxable income above 370 500
512 801–673 000	121 475 + 36% of taxable income above 512 800
673 001–857 900	179 147 + 39% of taxable income above 673 000
857 901–1 817 000	251 258 + 41% of taxable income above 857 900
1 817 001 and above	644 489 + 45% of taxable income above 1 817 000

REBATES

Primary rebate	R17 235
Secondary rebate – 65 years and older	R9 444
Tertiary rebate – 75 years and older	R3 145

MEDICAL TAX CREDIT RATES

MEDICAL SCHEME CONTRIBUTIONS	REBATE PER MONTH
Tax payer	R364
Tax payer + first dependent	R728
Each additional dependent	R251

2.3.1 Calculate Mr Soduku's annual salary. (2)

2.3.2 Determine the annual medical tax credit for the Soduku family. (3)

2.3.3 Show how R77 362 in tax bracket three is calculated. (3)

2.3.4 Calculate the monthly tax for Mr Soduku if he qualifies for two rebates. (8)
[37]

Copyright reserved

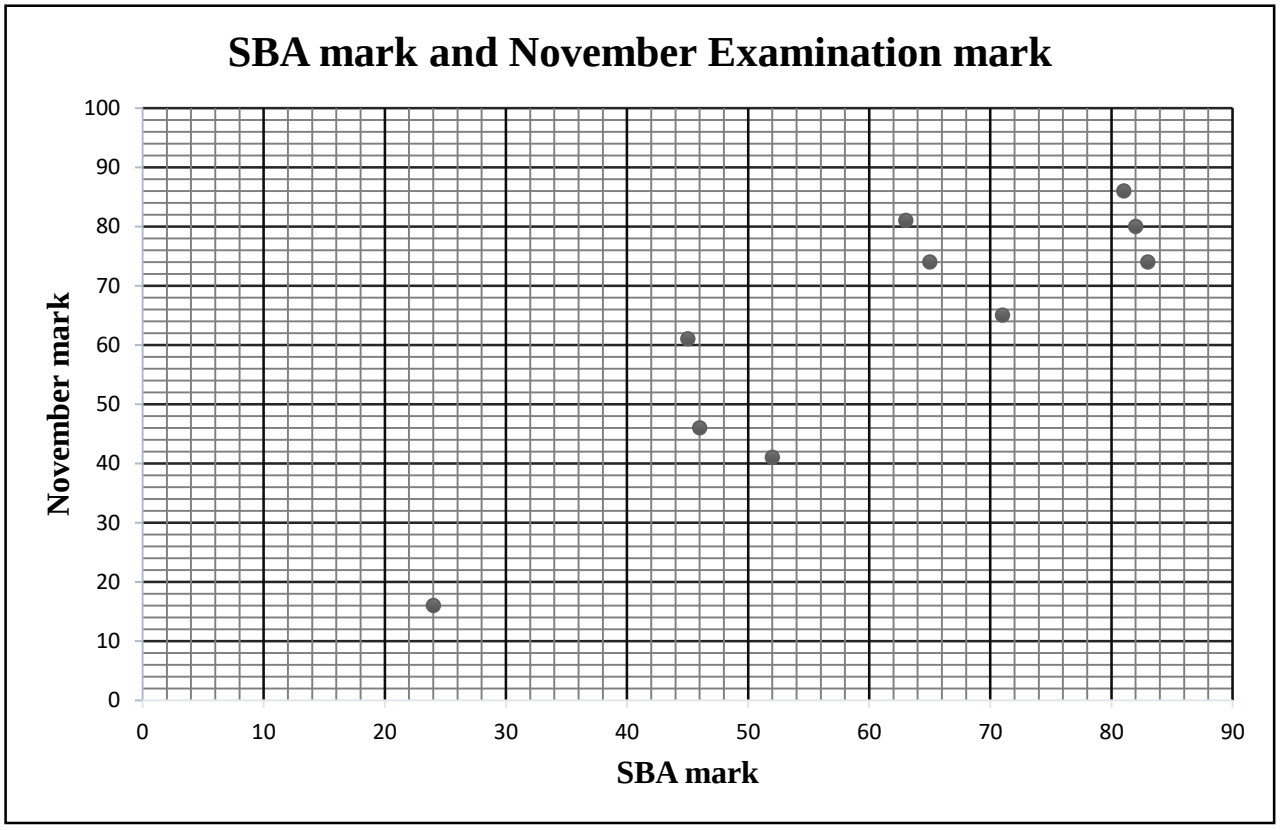
Thank you for choosing www.ecexams.co.za to download examination documents.

QUESTION 3

Grade 12 learners write the School Based Assessment (SBA) throughout the year, and then a final examination which contributes towards 75% of their final mark.

At PSJ, 10 learners compared their SBA results and their final examination results.

Learner	A	B	C	D	E	F	G	H	I	J
SBA Mark	45	52	46	65	63	71	82	24	83	81
November Examination Mark	61	41	46	74	81	65	80	16	74	86



3.1 Write down the name of the graph used to show the results. (2)

3.2 If the final examination contributes 75%, write down the percentage that the SBA contributes towards the final mark. (2)

3.3 Arrange the November Examination marks in descending order. (2)

3.4 Determine the median mark of the November Examination marks, rounded off to the nearest percent. (3)

3.5 Calculate the interquartile range of the SBA marks. (5)

3.6 Determine the probability, as a decimal, of selecting a learner who obtained a November Examination mark above 70%. (3)

Copyright reserved

Thank you for choosing www.ecexams.co.za to download examination documents.

3.7 UMALUSI has a policy that states that if the average of the SBA exceeds the November Examination mark average by more than 15%, then they will reject the SBA mark and use the November Examination mark to determine the final mark.

Determine if the results of the 10 learners at PSJ will include the SBA mark. (8)

3.8 The marks of learner A, learner D, learner G and learner H are shown as either November Examination mark or SBA mark in the bar graph. Draw the bar graph of the missing marks for the four learners. (4)

[29]

Thank you for choosing www.ecexams.co.za to download examination documents.

QUESTION 4

Mr Soduku has been invited to attend a conference in Botswana. He checked the accommodation, exchange rates and flights for himself, his wife and two children. The following information was obtained from the agent.

EXCHANGE RATES

SOUTH AFRICAN RAND	BOTSWANA PULA (P)
1	0,7662
1,3052	1

FLIGHTS

AIRLINE	RETURN PER PERSON
Air Botswana	P3 654,38
Airlink	P3 927,51

ACCOMMODATION

GUESTHOUSE	PRICE FOR FIVE NIGHTS
Avani Gaborone Resort	P16 780 including taxes
City Mews on Independence	P10 894 including taxes
Crocodile Pools Resort	P13 898 excluding P262 taxes and charges
Orange Grove Guest House	P13 086 excluding P262 taxes and charges
Tlokweng Rose Garden Guesthouse	P7 832 excluding P393 taxes and charges

4.1 Write down the weaker currency between the Pula and the Rand. (2)

4.2 Mr Soduku requested a quotation so that he can check if he can afford the trip. The quote was done in Pula. Mr Soduku opted for Airlink, and they will be accommodated at the third most expensive guesthouse. Calculate the amount, in rands, required by Mr Soduku to cover the trip. (5)

4.3 Calculate the range of the accommodation prices. (3)

4.4 The inflation rate for the previous year was 3,35%. Calculate the price, in Pula, of the cheapest flight the previous year. (4)

[14]

TOTAL: 100

Copyright reserved

Thank you for choosing www.ecexams.co.za to download examination documents.