

Western Cape Education Department

MATHEMATICAL LITERACY

Grade 12

TUTORING

TERM 3

2026

LEARNER NOTES

Session 1

Date: 1 August 2026

Focus: Interest, Inflation & Exchange Rates

Pre Test:

1. TABLE 1 below has a list of explanations and definitions of concepts used in Mathematical Literacy.

TABLE 1: EXPLANATIONS AND DEFINITIONS OF CONCEPTS

A	The original amount that is borrowed.
B	This is given as a percentage and represents what percentage of money borrowed need to be paid back.
C	This is the value of one currency in relation to another.
D	Interest charged on the amount due, inclusive of interest charges to date.
E	The average percentage increase in the price of goods and services within a period of time.
F	The percentage used to determine the amount of interest.
G	The length of time we borrow the money for. The longer we borrow, the more interest we pay.
H	Interest charges on the principal amount, resulting in the same interest every time

Use the information above to write down the letter (A – H) of the explanation or definition of EACH of the following concepts.

- | | | |
|-----|-------------------|-----|
| 1.1 | Inflation | (2) |
| 1.2 | Exchange rate | (2) |
| 1.3 | Compound interest | (2) |
| 1.4 | Principal amount | (2) |
| 1.5 | Interest rate | (2) |
- [10]

QUESTION 1:

- 1.1 Emma wants to take out a personal loan of R120 000 to buy a VW Polo. She found the following information online. The monthly service fee, which is part of the repayment, is R76,00. The initial fee is R1 404,00 and the interest rate is 17,5%.

TABLE 1: FEE STRUCTURE FOR A PERSONAL LOAN OF R120 000

Repayment period in months	36	48	60	72
Monthly repayment in rand	5407,45	4765,31	4479,39	4386,07



Use the information above to answer the questions that follow

- 1.1.1 Write down the original loan amount. (2)
- 1.1.2 Write down the monthly service fee. (2)
- 1.1.3 Determine how many years would it take Emma if she paid R4479,39 per month. (2)
- 1.1.4 Calculate how much Emma would pay in total if she opted for the 36 months option. (4)
- 1.1.5 Give one reason why Emma would rather opt to pay back the loan over a 72-month period than a 36-month period. (2)
- 1.2 Emma's grandmother has also been saving money to assist her when she wanted to buy her first car. She invested R25 500 in a simple interest investment account from 2022. She has been receiving an interest rate of 4,35% over the last 3 years. The banking fees are also charged annually of 1,2% of the principal amount of this investment.

Use the information above to answer the questions that follow:

- 1.2.1 Calculate the annual bank charges for a year. (2)
- 1.2.2 Determine how much money would be available for withdrawal at the end of the three-year period. (5)
- 1.2.3 Determine how much money would be in the investment account. (3)

1.3 Unathi currently pays R7 000 a month on rent. Her monthly income is R 23 500.

She considers buying her own house instead of renting. In South Africa, first-time homeowners can qualify for a 100% loan, which means they do not have to pay a cash deposit. Moreover, the law states that monthly repayments may not exceed 30% of the buyer's gross salary.

Unathi uses the online bond calculator to check if he can afford the house. The purchase price to buy the house is, R650 000. No deposit is required. It can be paid off at an interest rate of 10,3% p.a.

When buying a house, you will also be expected to pay a once-off cost. For a R650 000 house the once-off cost is R60 584, this needs to be paid in cash and does not form part of the loan amount.

Term	Monthly instalment	Final Cost
10 years	R8 698	R1 043 760
15 years	R7 104	R1 278 720
20 years	R6 402	R...(A)...
25 years	R6 044	R1 813 200
30 years	R5 848	R2 105 280

Use the information above to answer the questions that follow:

1.3.1 Calculate how much Unathi can spend on a bond repayment. (2)

1.3.2 Hence, identify which home loan period(s) she would qualify for. (2)

1.3.3 Determine the final cost (A) for a 20-year period. (2)

1.3.4 What does the once-off cost of R60 584 cover? (2)

1.3.5 Determine how much is paid towards interest if she decides to take out the loan over a 25-year period? (3)

1.3.6 Explain what effect the time period has on the amount of interest paid. (2)

- 1.4 Sabir is going to university to study to become a pharmacist. His father decided to buy him a new Toyota Aygo as a reward for his wonderful Grade 12 results.

The Toyota Aygo is currently on special for the reasonable price of R174 900 including VAT.

They decided to buy the car on hire-purchase and pay off the balance in 60 monthly instalments. Simple interest is charged at a rate of 14% p.a. A deposit of 10% is required.

Use the information above to answer the questions that follow

- 1.4.1 Determine how many years it will take them to pay for the car. (2)
- 1.4.2 Calculate the amount they need to pay as a deposit. (2)
- 1.4.3 Calculate the loan amount after the deposit has been paid. (2)
- 1.4.4 Determine the total amount of interest paid over the 60-month period on the outstanding balance. (3)
- 1.4.5 Hence, calculate his monthly instalment if the total amount payable after the deposit was paid is R267 597. (2)

- 1.5 Jana saw the following advert online for a new television set from HI-FI Corp:



HISENSE 55-inch Smart 4K UHD-55A6Q

Product code: 0000123498765

HDMI x3 and USB x2

Quantum DOT Colour

CASH: R5 499,00

(Over Valid till 14 Feb 2026)

Use the information above to answer the questions that follow:

- 1.5.1 HI-FI corporation is allowing individual to buy this television on a hire-purchase agreement over a 2-year period at 9,75% annually. Hi Fi Corp charges a R25,00 admin fee per month
Calculate the monthly cost if Jana decides to buy the television on a hire-purchase agreement. (6)
- 1.5.2 How much money would Jana have saved if she bought the television for the cash price? (3)
- 1.5.3 Jana received her bonus of R8000 in April and wanted to buy a second television for the same price of R5499. Would this be possible? (2)

QUESTION 2

- 2.1 The CPI (Consumer Price Index) also known as the official rate of inflation is determined by comparing products and goods from one year to the next.

Each month the cost of the goods is calculated and compared with the previous month to determine the average inflation rate of the year.

The price of a 330ml can of Coca-Cola was R10,55 in 2021.

The price of a 41,5g Kit-Kat was R14,99 in 2024.



TABLE 1: INFLATION RATE OVER A PERIOD OF YEARS

Year	2021	2022	2023	2024	2025	2026
Average inflation rate	3,7%	4,1%	3,9%	3,8%	B	3,9%

Use the information above to answer the questions that follow:

- 2.1.1 The average inflation rate for the 6-year period was 4%. Calculate the missing value **B**. (4)
- 2.1.2 Determine the cost price of the can of Coca-Cola at the start of 2025. (3)
- 2.1.3 Determine the price of a Kit-Kat chocolate in 2023. (3)
- 2.1.4 Describe the trend of the inflation rate for the period from 2022 to 2024. (3)

- 2.2 Food inflation rate, is an average continuous increase in the price of basic food items in a food basket. TABLE : below shows the food inflation rate in South Africa for the years 2012/2013 and 2013/2014.

TABLE: food Inflation rate in South Africa, 2013/2024

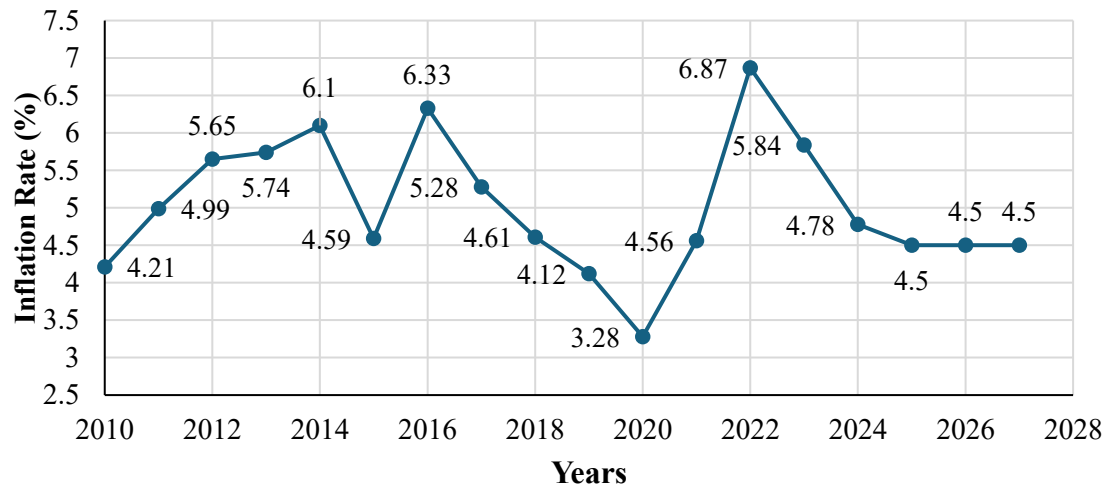
Food group	Inflation rate	
	JAN 2012 to JAN 2013	JAN 2013 to JAN 2014
Animal protein	-3.1	-0.2
Bread and cereals	+4.7	+15.6
Vegetables	-3.0	+2.2
Fruit	-3.5	-5.5
Dairy	+8.2	+6.2
Eggs	+8.1	+5.1
Fats and oils	+3.7	-1.2
Bean products	+7.4	+1.0
Coffee and tea	+6.6	+6.9
Non-alcoholic drinks	+14.0	+14.3

[Source: National Agricultural Marketing Council, February 2014]

- 2.2.1 Calculate the average (mean) inflation rate for 2013. (3)
- 2.2.2 Workers at *Public Warehouse* demanded a salary increase of 12.5% for 2014. They claim that this percentage increase **EQUALS** the average inflation rate for 2013 **PLUS** 5% (real increase). Determine if the workers' claim is valid, showing all calculations. (6)

- 2.3 Jordan inherited a game farm, called "Lodge Supreme". He needs to fix and update several aspects of the lodge. Jordan notices that the rate charged for the chalets has not changed in the past five years. Jordan found the following graph showing the annual inflation rates as a percentage from 2010:

**Average Inflation Rate for South Africa from
2010 - 2027**



Use the information above to answer the questions that follow:

- 2.3.1 Calculate the average inflation rate for the period of 2016 – 2023, rounded to two decimal places. (3)
- 2.3.2 Explain why the graph has values for the years that are still in the future. (2)

QUESTION 3:

- 3.1 Yaseen is planning a holiday to Europe in December 2026, to celebrate his graduation from CPUT. He will be visiting three countries, London, Sweden and Greece over a two-week period. He has been working during the holiday to save up money for this trip.

CURRENCY	UNIT PER ZAR	ZAR PER UNIT
1 British Pound	0,045	22,36
1 Euro	0,051	19,77
1 Swedish Krona	0,55	1,81
1 Kenyan Shilling	7,57	0,13

NOTE: All amounts exclude **24% VAT**

Use the information above to answer the questions that follow:

- 3.1.1 Yaseen can buy a ticket to London, via Kenya, either through a travel agent or on the airline website.

Yaseen noticed that the ticket prices were given as follows:

Busy bee's travel Agency	High-Flyers Airlines
R10 456, 29	£443,48

Determine which option would be the cheapest when buying a ticket to London. (3)

- 3.1.2 During the layover passengers were asked to disembark the aircraft. Yaseen then decided to buy himself a Hot Chocolate and Sandwich at the airport. He noticed that R114, 55 went off his account.

Determine how many Shillings he spent, rounded to the nearest whole number. (3)

- 3.1.3 Yaseen realized that he had £13,50 left in his wallet when he wanted to buy a train ticket to Greece. The price of a train ticket to Greece is €11,80 (excluding VAT). He believes he will have enough cash to buy the ticket.

Determine if his statement is VALID. (3)

3.2 Thabo Mkhize is a businessman who visits various capital cities in Africa.

TABLE 1 below shows the exchange rate between eleven African Currencies, United States Dollar (US\$) and South African rand (ZAR).

TABLE 1: Exchange rate table for African currencies

CURRENCY	AMOUNT IN US\$	AMOUNT IN ZAR
1 Algerian dinar	0,013592	0,10380
1 Angolan kwaza	0,010524	0,08160
1 Botswana pula	0,136131	1,05500
1 Egyptian pound	0,165683	1,28500
1 Ghanaian cedi	0,568235	4,41000
1 Kenyan shilling	0,012040	0,09340
1 Mozambican metical	0,036394	0,00030
1 Malawian kwacha	0,006009	0,04665
1 Nigerian naira	0,006345	0,04925
1 South African rand	0,128990	1,00000
1 Zambian kwacha	0,000189	0,00150

[Source: www.coinmill.com, 1 May 2012]

Use the information above to answer the questions that follow:

3.2.1 Which country had an exchange rate of US\$ 0,012040 to ONE unit of its currency. (2)

3.2.2 Which of the currency above gives you the largest amount in US\$ for ONE unit of the currency. (2)

3.2.3 Thabo's accommodation in Zambia costs 25 976,87 kwacha
Convert this to US\$. (2)

3.2.4 Thabo bought goods in Ghana to the value of 1 345 cedi.
Calculate the value, in rands, of the goods Thabo had bought. (2)

3.2.5 Identify the strongest weakest of the African countries listed above. (2)

Session 2

Date: 15 August 2026

Focus: Income and Expenditure Statements and Budgets

Pre-Test:

1. TABLE 1 below has a list of explanations and definitions of concepts used in Mathematical Literacy.

TABLE 1: EXPLANATIONS AND DEFINITIONS OF CONCEPTS

A	Money that comes into the business from sales
B	Exact point at which income equal the expenses
C	Money that is spend producing the product
D	A list of expected income and expenditure
E	When income is bigger or higher that your expenditure
F	Expenses that stay the same every month
G	The difference between the income and expenses

Use the information above to write down the letter (A – H) of the explanation or definition of EACH of the following concepts.

- | | | |
|-----|----------------|-----|
| 1.1 | Fixed Expenses | (2) |
| 1.2 | Budget | (2) |
| 1.3 | Profit | (2) |
| 1.4 | Expense | (2) |
| 1.5 | Break even | (2) |

QUESTION 1

Johnson is a physiotherapist. He was contacted by SARU (the South African Rugby Union) to give the 7s rugby players a massage during the rugby tournament that was held in Cape Town during December 2022. Johnson hires 13 masseuses to perform this duty.

Number of sessions per day	1	2	3	4	5	8	10
Number of masseuses	13	26	39	52	65	A	130
Income in Rand	1 755	3 510	B	7 020	8 775	14 040	17 550

* Masseur: A person who provides a professional massage

BOT term 1 2025

Use the information above to answer the questions that follow:

1.1 Show, by means of calculations, that the income for a single massage is R135. (2)

1.2 Calculate the values of A and B. (4)

1.3 Complete the following formula to calculate the total income per session.

Income = ... $\times$... (2)

1.4 Prove that the total income for the weekend, if they start working on Friday and finish on Sunday, is R78 975. There are 15 sessions per day. (6)

1.5 Johnson pays each masseuse R1 000 for the weekend and R50 per massage. He needs to rent a room at the Cape Town stadium to perform these massages, which costs R4 800 per day.

Calculate his total expenses and express the total income to total expenses as a ratio in unit form. (6)

QUESTION 2

Thato has a bank account with Capitec Bank.

TABLE 2 shows a part of the Capitec Bank statement of Thato's bank account.

TABLE 2 : THATO'S BANK STATEMENT

Date	Description	Debit (R)	Credit (R)	Balance (R)
19/04	Balance brought forward			26 935,48
20/04	Cash Deposit		2 450	29 385,48
	Service fee	12,25		29 373,23
21/04	Debit order: King Price Insurance	1 250		A
	Service fee	5,00		28 118,23
23/04	Stop order: Discovery Medical Aid	5 927		22 191,23
	Service fee	5,00		22 186,23
25/04	Deposit: Salary		B	54 708,48
	Service fee	32,52		54 675,96
29/04	Debit card: Checkers	7 332,45		47 343,51
	Service fee	3,50		47 340,01
01/05	Bond payment	14 500		32 840,01
	Service fee	21,75		32 818,26
01/05	Wesbank: Car payment	6 500		26 318,26
	Service fee	7,00		26 311,26
01/05	Truworths account	2 250		24 061,26
	Service fee	2,75		24 058,51

BOT Autumn material 2025

Use the information above to answer the questions that follow

- 2.1 Calculate the value of A in the bank statement. (2)
- 2.2 Calculate the value of B in the bank statement. (2)
- 2.3 Write down Thato's bank balance on 19 April in words. (2)

- 2.4 Identify the service fee that was charged on the bond payment. (2)
- 2.5 Calculate the number of days from 15 April until 14 May. (2)
- 2.6 Define the term debit order. (2)
- 2.7 Show how the balance of R29 385,48 (on 20 April) was calculated. (2)
- 2.8 Identify the bank that Thabo has an account with (2)

QUESTION 3

Mrs. Smuts works at a farm stall in her town. Her personal budget is shown in the table below.

TABLE 3: MRS. SMUTS' PERSONAL BUDGET

INCOME:	
Net salary per month	R9 943,35
EXPENSES:	
Rent	R3 200,00
Water and Electricity	R127,75
Transport	R250,00
Medical Aid Repayment	R350,00
Pension Fund	R894,90
Funeral Policy	R175,00
Clothing Account	R560,00
Entertainment	R150,00
Food	R850,00

Autumn BOT 2025

Use the information in TABLE 3 to answer the following questions.

- 3.1 Define the term net salary. (2)
- 3.2 Name one of Mrs. Smuts' expenses that is deductible before tax is calculated. (2)
- 3.3 A monthly contribution is made to the Unemployment Insurance Fund (UIF).
Write down the percentage of the total contribution that will be paid to the UIF. (2)

QUESTION 4

Table below shows various departments in the Northern Cape expenditure (in thousands of rands) for seven years.

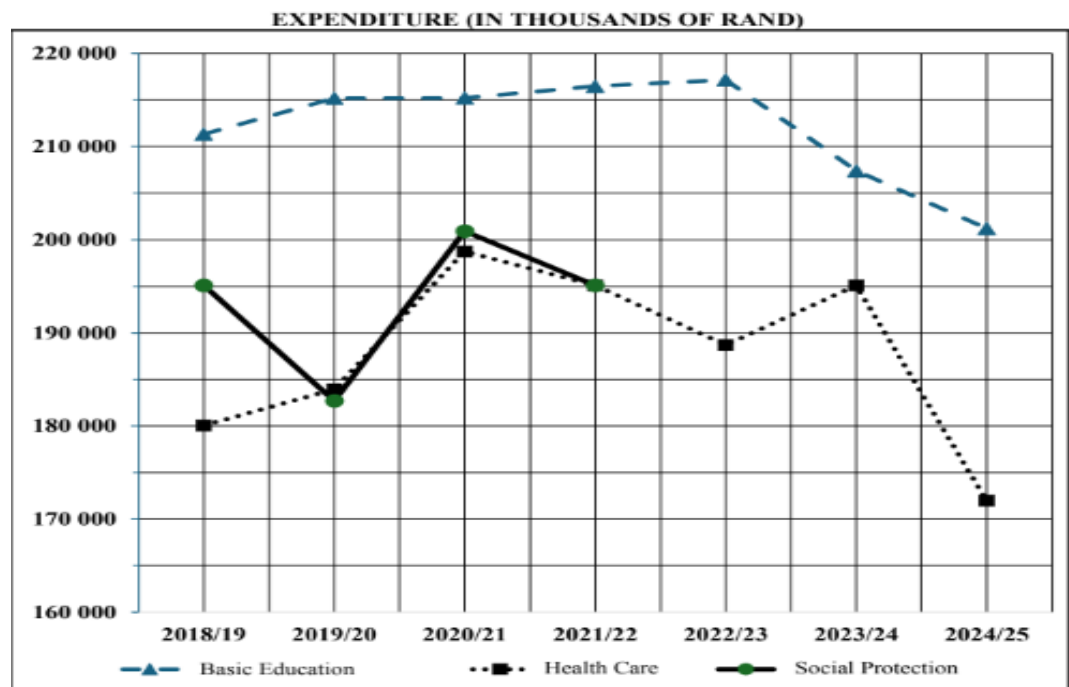
Expenditure (In thousands)			
Year	Basic Education	Health	Social Protection
2018/19	211 342	180 052	195 091
2019/20	215 194	183 944	182 704
2020/21	215 221	198 736	200 922
2021/22	216 488	195 091	195 091
2022/23	217 168	188 694	204 132
2023/24	207 410	195 091	170 689
2024/25	201 214	171 982	195 091

NC 2025 P1 PRELIM

Use the information above to answer the questions that follow

- 4.1 Identify the department and the year(s) when the expenditure was R170 689 000 (2)
- 4.2 Determine the mode and write it in full (3)
- 4.3 The graph below shows the comparison between the expenditure of different departments.

Complete the social protection graph from 2021/22 to 2024/2025 using the values in the table



(4)

QUESTION 5

The Matric Farewell committee bought 4 boxes of pens and sold each pen at R5 each



BIC Orange Fine
Ball Point Pen –
Black (Box of 60)
R249,00

2024 Eastern cape Paper 1 Prelim

Use the information above to answer the questions that follow

- 5.1 Determine the cost of one black pen (2)
- 5.2 Calculate the profit made on one pen (2)
- 5.3 Calculate the number of pens sold during the fundraising (2)
- 5.4 Determine the percentage profit from selling one black pen (2)
- 5.5 Determine the probability of randomly selecting a red pen in one of the boxes that have been bought (2)

QUESTION 6

Mr Ngwane designs and makes bedroom and bathroom mirrors to supplement his income. He works from home after work and on Sundays.

SK MIRRORS TOTAL COST AND TOTAL INCOME

Number of mirrors	0	1	2	3	4	5	6
Total Cost (R)	1500	2190	2880	3570	B	4950	5640
Total Income (R)	0	1065	2130	3195	4260	5325	6390

N.B: Each mirror is sold for R1 065



KZN 2023 Sep P1 prelim

Use the information above to answer the questions that follow.

- 6.1 Write down a formula to determine the Total Cost of making mirrors. (4)
- 6.2 Calculate the missing value B in TABLE. (2)
- 6.3 Write down the co-ordinates of the break-even point. (2)
- 6.4 Define the term break-even point according to the given context. (2)

QUESTION 7

- 7.1 Goitsemodimo is an insurance saleslady and earns a basic salary of R12 000 per month plus a commission. In September 2024 she expects to make R22 000 in commission plus R8 120 bonus.

Her monthly expenses are as follows:

- ☐ Rent = R 8 500
- ☐ Fuel = R2 500
- ☐ Electricity = R800
- ☐ Monthly gym membership = R350
- ☐ Car payment = R 4 600
- ☐ Insurance = R1 975
- ☐ Cell phone = R800
- ☐ Groceries = R3 000
- ☐ Entertainment = R1 700
- ☐ Water usage = R400

FS Sept 2024 Prelim

Use the information above to answer the questions that follow.

- 7.1.1 Use the provided ANSWER SHEET to construct Goitsemodimo September 2024 Budget (6)
- 7.1.2 Express Goitsemodimo's
- (a) Ratio of entertainment expenses to rent express in the form 1:... (2)
 - (b) Variable expenses as a percentage of the basic salary (4)

/12/

ANSWER SHEET

Question 7.1
Gointsemodimo's budget for September 2024

INCOME in Rands (R)	
TOTAL	=

EXPENSE in Rands (R)	
TOTAL	=

Session 3

Date: 29 August 2026

Focus: Maps and Scale

Pre Test:

TABLE 1 below has a list of explanations and definitions of concepts used in Mathematical Literacy.

TABLE 1: EXPLANATIONS AND DEFINITIONS OF CONCEPTS

A	The amount of space occupied by a 3-D object.
B	The base unit of mass in the metric system is equal to 100 grams.
C	A plan that shows the length and width of an object.
D	The amount of matter or material in an object.
E	The length of the space between two places or points.
F	The total length of the boundary that encloses a geometric shape.
G	The base unit of mass in the metric system is equal to 1 000 grams.
H	The maximum amount that a container can hold.

Use the information above to write down the letter (A – G) of the explanation or definition of EACH of the following concepts.

- | | | |
|-----|----------------------|-----|
| 1.1 | Two-dimensional plan | (2) |
| 1.2 | Capacity | (2) |
| 1.3 | Kilogram | (2) |
| 1.4 | Mass | (2) |
| 1.5 | Distance | (2) |

QUESTION 1

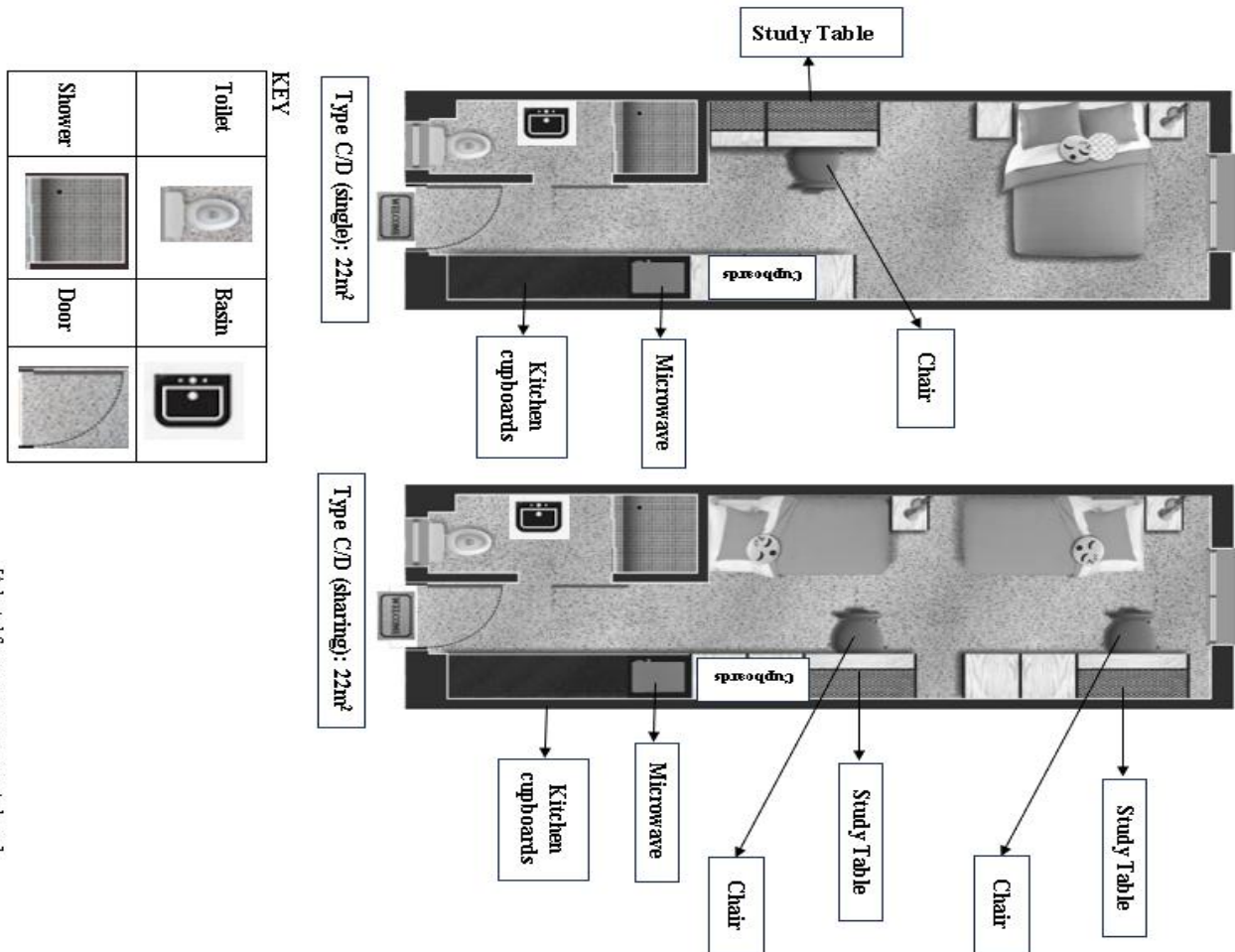
1.1

Campuskey is one of the accommodations used by some students who study at the University of the Free State (UFS). ANNEXURE A shows the plan for the two types of rooms found at this accommodation

FS SEPT P2 2025

Use the map above to answer the questions that follow.

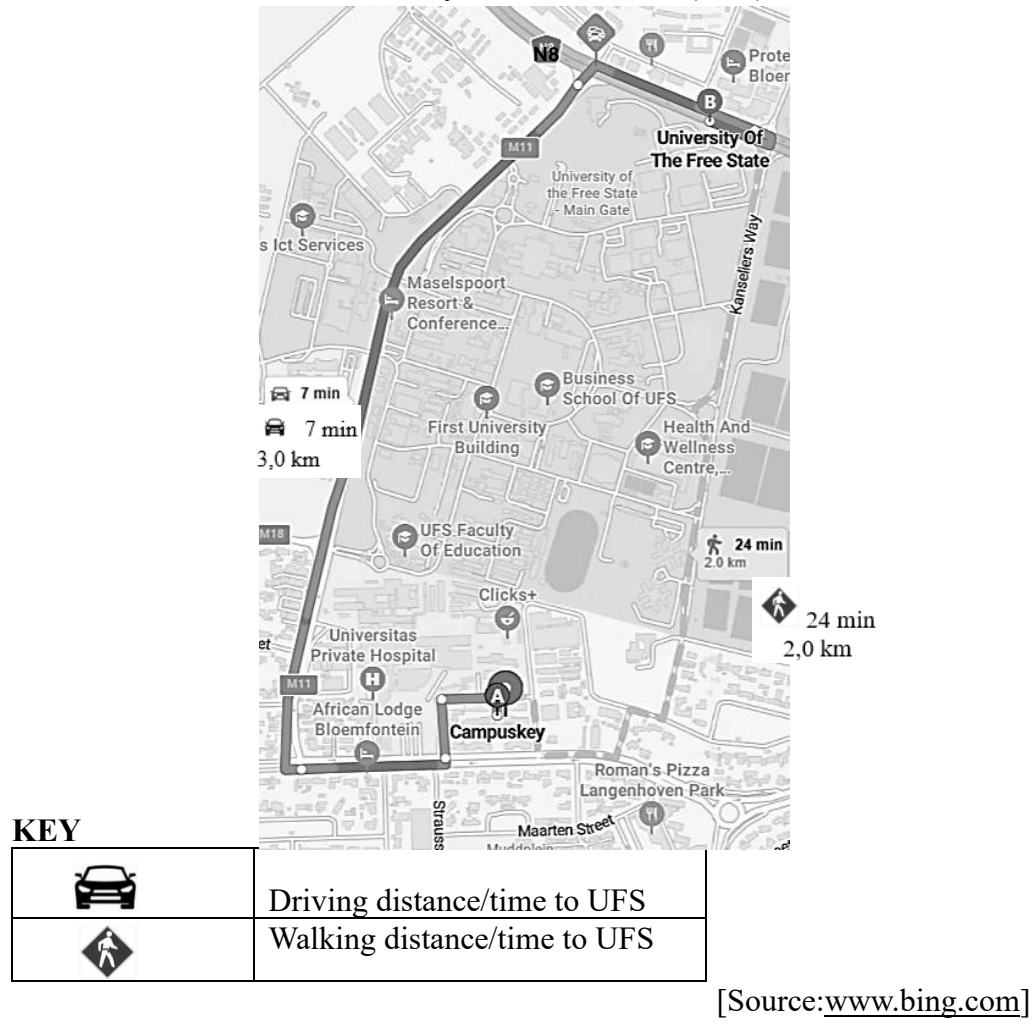
- 1.1.1 Explain what 22 m² written next to type C/D means. (2)
- 1.1.2 Write down the probability, as a percentage, of getting a bathtub in one of the bathrooms. (2)
- 1.1.3 Name the type of plan shown on ANNEXURE A. (2)
- 1.1.4 Jason's room is number twenty-five on the third floor. Write down the number appearing on his front door. (2)
- 1.1.5 Write down ONE difference between the two rooms shown in ANNEXURE A. (2)



[Adapted from www.campuscentral.com]

1.2

The map below shows the location of the Campuskey student accommodation and the University of the Free State (UFS).



Use the map above to answer the questions that follow.

1.2.1 Convert the walking distance from the student accommodation to the university into meters. (2)

1.2.2 State whether the statement below is TRUE or FALSE.

The road passing by the university through point B is a national road. (2)

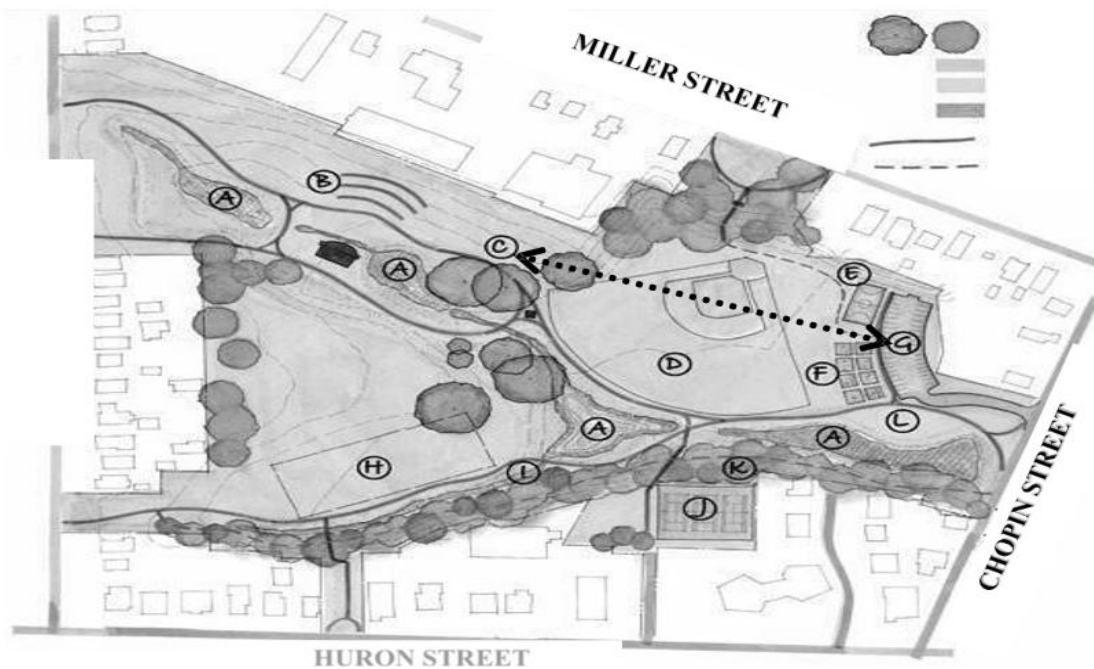
1.2.3 Mofenyi's last class ended at 07:25 in the evening. He walked back to the student accommodation and arrived at 07:49.

Write down his arrival time in a 24-hour format. (2)

1.2.4 Calculate how many more minutes a person will take to walk from Campuskey to the university than someone who drives. (2)

QUESTION 2

2.1 A layout plan of the WEST PARK recreation area in America is shown below.



Key:

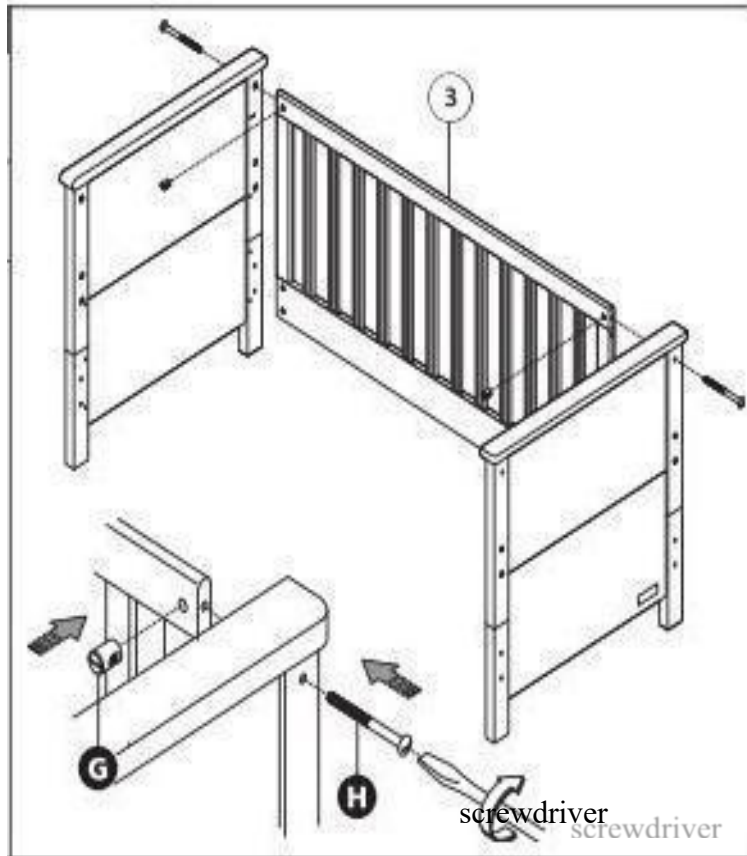
- A - Wet Meadow Stormwater Treatment Wetland
- B - Amphitheater
- C - Picnic Area
- D - Existing Baseball Field
- F - Community Garden
- G - Proposed parking
- H - Sports Field
- I - Emergent Stormwater Treatment Wetland
- J - Existing Tennis Court
- K - Native American Trail
- L - Playground

2025 P2 EASTERN CAPE

Use the information above to answer the questions that follow.

- 2.1.1 Name TWO sports activities that they can play in the park. (2)
- 2.1.2 Name any TWO streets that surround the park. (2)
- 2.1.3 Name the place labelled G on the layout plan (2)
- 2.1.4 Identify the place where concerts, movies or dramas can be played. (2)
- 2.1.5 Measure, in mm, the length of the dotted line joining C and G (2)

- 2.2 Illustrated below are the steps and components needed to assemble a wooden baby cot.



FITTINGS

G/ large barrel nuts x 2

H/ assembly bolts x 2

STEP 10

Select one of the **cot** sides and position it between the cot ends with the detail on the side slats facing towards the outside of the cot. Insert two-barrel nuts (G) into the holes in the underside of the top rail (3). Ensure the slot in the barrel nut heads face the connecting holes. Fasten the side in position by inserting two assembly bolts (H) in the top holes of the cot ends. Tighten them into the large barrel nuts using a flat-headed screwdriver.

NOTE: You may need to rotate the large barrel nuts to align the hole with the bolt.

2025 P2 EASTERN CAPE

Use the information above to answer the questions that follow.

- 2.2.1 State whether the screwdriver turns clockwise or anti-clockwise. (2)
- 2.2.2 Calculate the number of fittings used in step 10. (2)
- 2.2.3 Name the part labelled **G**. (2)
- 2.2.4 Write down the name of the structure that is assembled (2)

QUESTION 3

3.1

John needs to get a bucket loader to his farm. He is worried that it will not pass under a LOW CLEARANCE bridge with a height of 4,4 m.

Below is the reduced picture illustrating the height of John and that of the Bucket loader. The actual height of John is 1,75 m

Below is the picture illustrating the height of the bridge.



2025 P2 NW

Use the information above to answer the questions that follow.

3.1.1 The scale used to reduce the picture is **1 : 125**. Explain the meaning of the scale. (2)

3.1.2 The actual height of the loader is 4,6 m.

Determine in mm the height of the loader on the diagram. (3)

3.1.3 Will the bucket loader fit under the bridge? Justify your answer. (2)

3.2

ANNEXURE B shows the route map of the Medihelp Stellenbosch Cycle Tour.

2025 P2 NW

Use the information above to answer the questions that follow.

3.2.1 Write down the name of the first town that the cyclists will reach once they have started the race. (2)

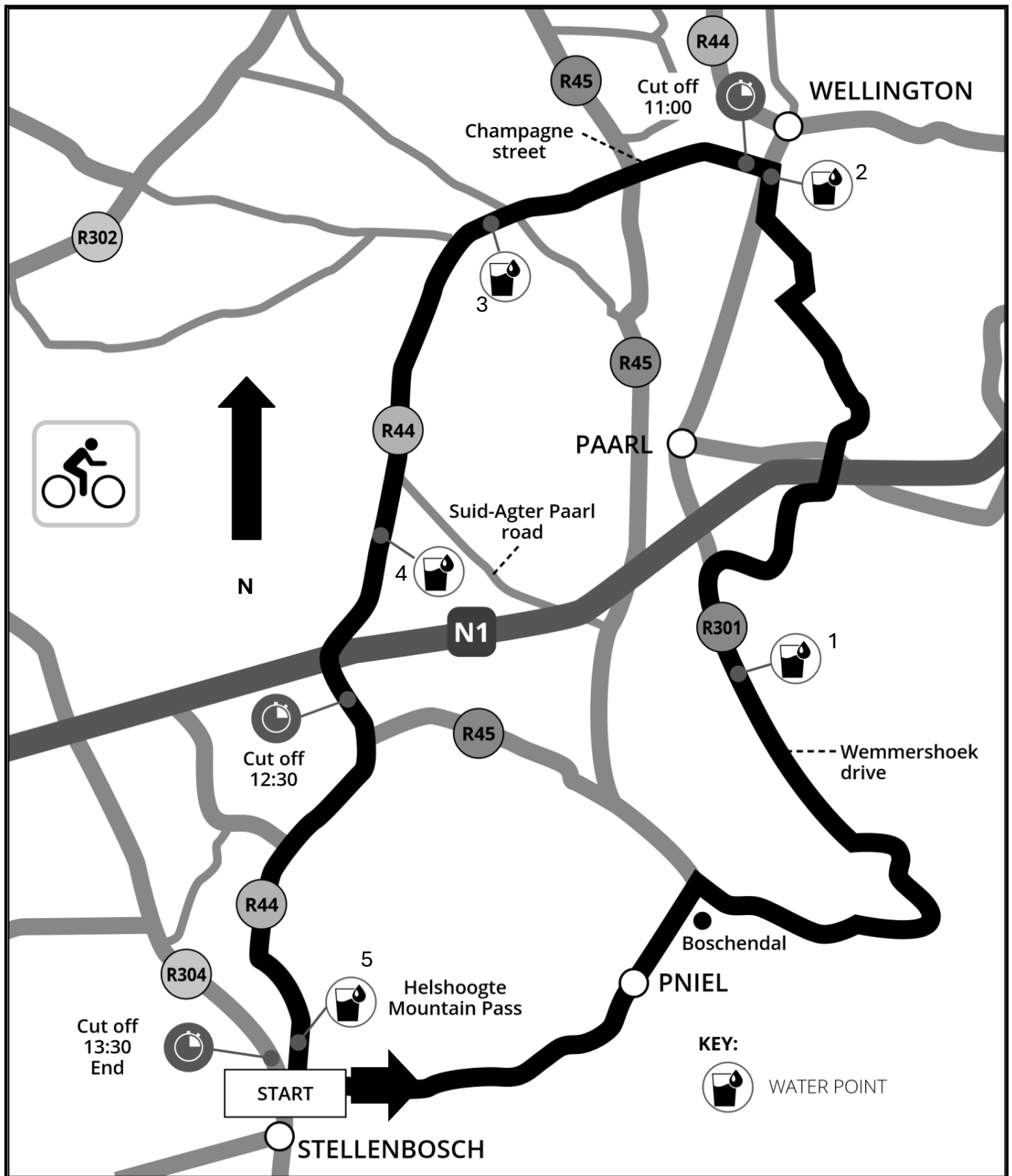
3.2.2 Name the mountain pass that is situated on the route (2)

3.2.3 Give TWO general directions that a cyclist will take between water point 4 and the cut off at 12:30 (3)

3.2.4 Name any TWO regional roads that appear on the route used by the Cyclists. (2)

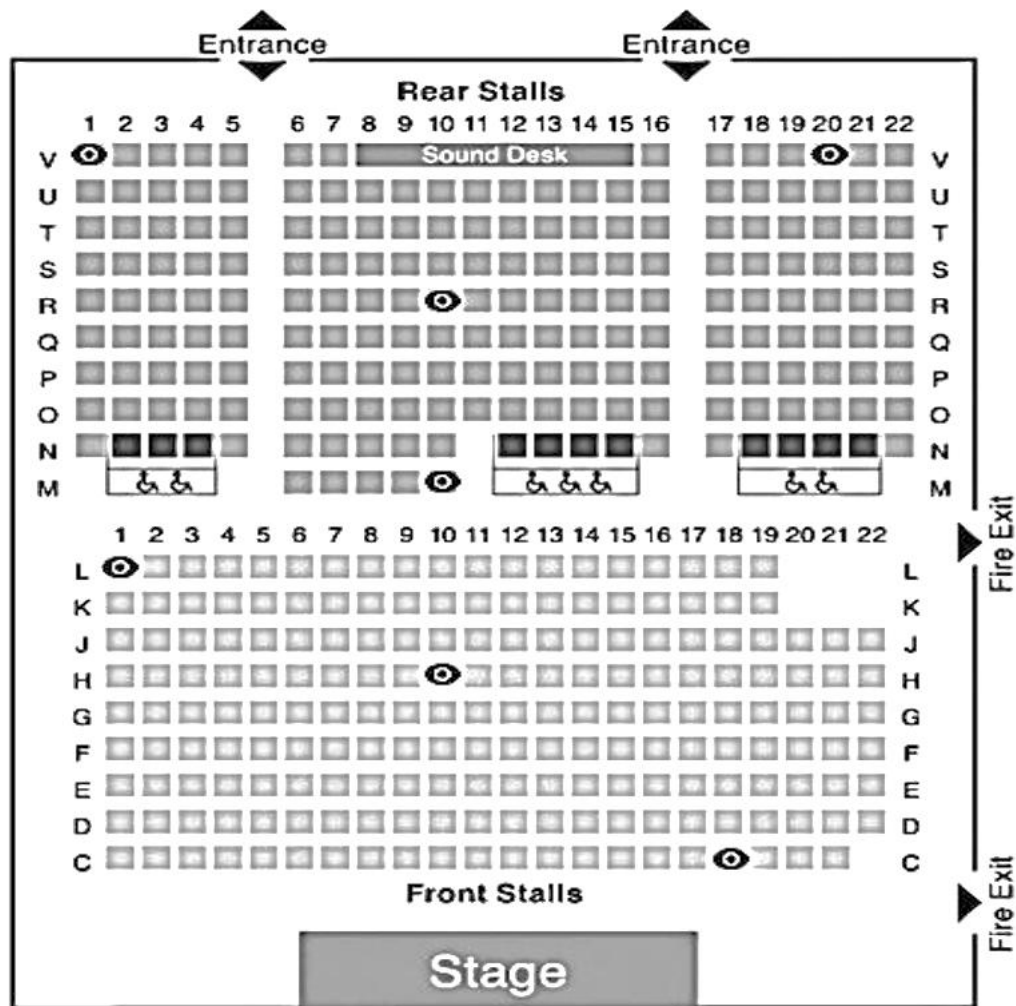
ANNEXURE B

MEDIHELP STELLENBOSCH CYCLE TOUR ROUTE MAP - 97 KM



QUESTION 4

A seating plan of the Palace Theatre in Mansfield in London is shown below



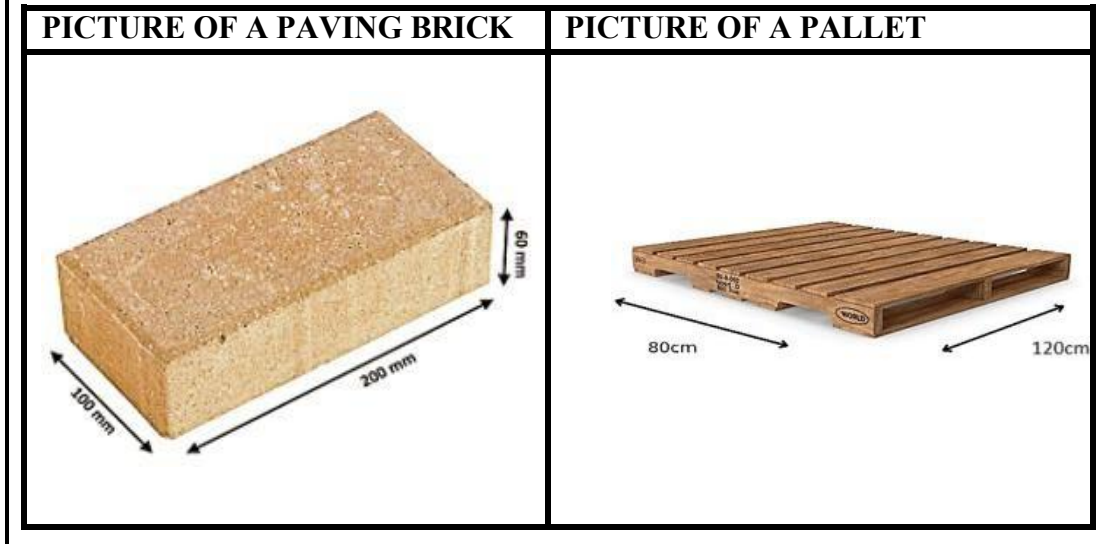
NOTE: The eye symbol shows the view of the stage from the seat when booking tickets for the show online

Use the information above to answer the questions that follow.

- 4.1 Determine the total number of seats available for people with disabilities. (2)
- 4.2 Jabu is seated 6 rows away from the front stalls. The eye symbol is on his left. Identify the row and seat number he is seated at. (2)
- 4.3 Determine the number of seats that can be used for viewing the show in Row V (2)
- 4.4 The show starts at 19:00, runs for 2 hours, with two 15-minute breaks. (3)
Determine the time the show will end. Write the answer in 12-hour time format.

QUESTION 5

- 5.1 Paving bricks are packed on pallets for easy loading and deliver. The dimensionsof a paving brick that Mr. Mohale will use is 200 mm by 100 mm by 60 mm, and the dimension of a pallet is 120cm by 80cm as shown on the pictures below



Use the information above to answer the questions that follow.

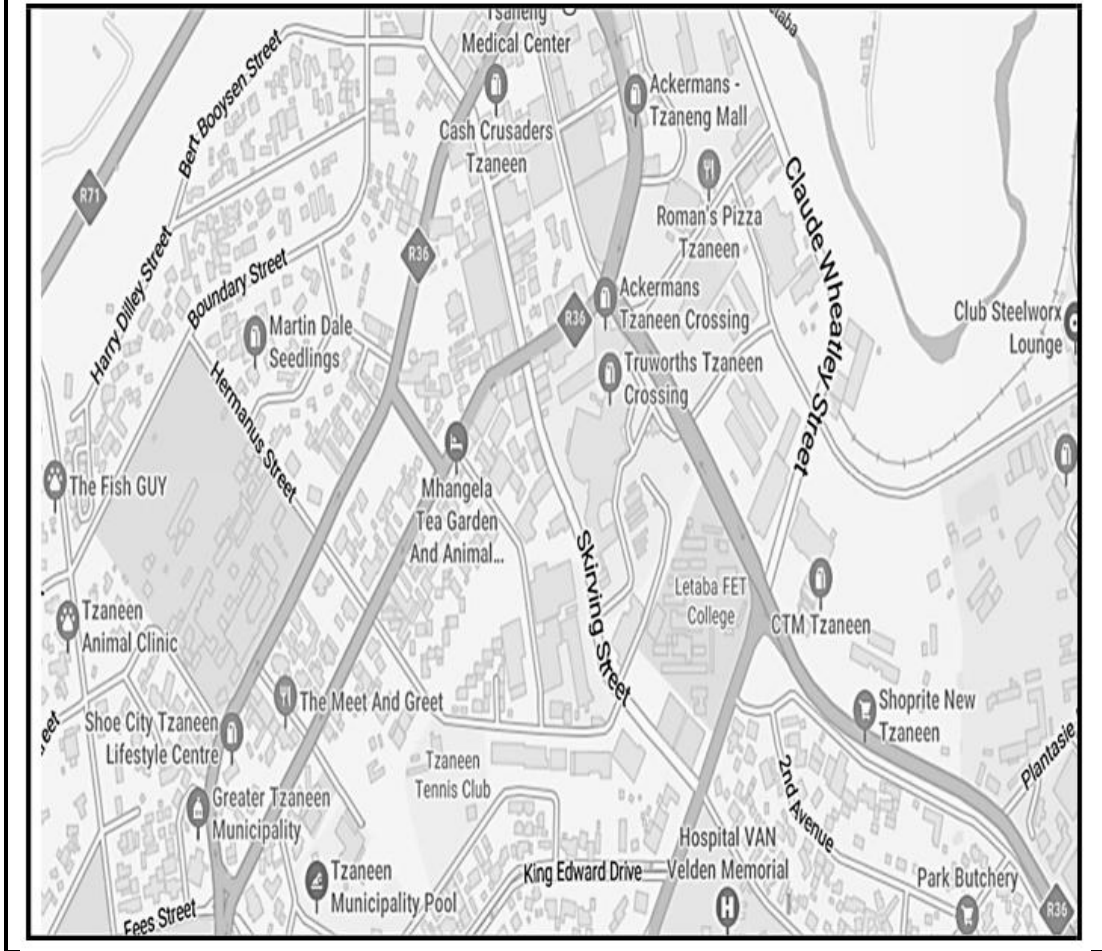
- 5.1.1 Mr. Mohale claims that one pallet can carry a maximum number of 500 bricks if 10 rows are packed.

Verify with calculations whether his statement is correct (7)

- 5.1.2 Determine the height of one packed pallet (in mm) if the thickness of a pallet is 144 mm. (2)

5.2

Tzaneen is a town found in the northern part of Limpopo. Annexure C shows the map of part of Tzaneen



Use the information above to answer the questions that follow.

- 5.2.1 Identify the type of map shown above (2)
- 5.2.2 Martin Dale Seedlings is found at the corner of which two streets? (2)
- 5.2.3 Name the hospital shown on the map (2)
- 5.2.4 Mention two roads that passes through this part of map. (2)
- 5.2.5 Identify the type of roads in 5.2.4 (2)

5.3

Joanita bought a cabinet which needed to be assembled as In the picture below. ANNEXURE D below shows the steps for assembling the cabinet.

Picture of assembled cabinet



Use the information above and match the pictures on Annexure D with the explanations on 5.4.1 to 5.4.5

Write only the letter A to E next to the explanation numbers e.g. 5.4.6 G

- 5.3.1 Attach the top of the cabinet, screw it in (2)
- 5.3.2 Screw the top support piece into the right side of the cabinet. (2)
- 5.3.3 Slide the bottom piece into the cabinet, screw it in place (2)
- 5.3.4 Attach the wheels to the base of the cabinet. (2)
- 5.3.5 Screw the cabinet top support piece into the left side panel of the cabinet. (2)

