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CAPE WINELANDS EDUCATION DISTRICT

GRADE 12



Marks: 150 Time: 3 hours

This paper consists of 14 pages and a 16-page SPECIAL ANSWER BOOK.

INSTRUCTIONS AND INFORMATION:

- 1. This question paper consists of FIVE questions. Answer ALL the questions.
- 2. 2.1 Use the ANNEXURES to answer the following questions:
 - ANNEXURE A for QUESTION 2.1.3
 - ANNEXURE B for QUESTION 3.2
 - ANNEXURE C for QUESTION 5.1
 - ANNEXURE D for QUESTION 5.2
 - 2.2 Answer QUESTION 3.2.2 on ANNEXURE B in your answer book.
- 3. You may use an approved calculator (non-programmable and non-graphical). unless stated otherwise.
- 4. Show ALL the calculations clearly.
- 5. Round off ALL final answers appropriately to the given context, unless stated otherwise.
- 6. Indicate units of measurement, where applicable.
- 7. Maps and diagrams are NOT necessarily drawn to scale, unless stated otherwise.
- 8. Write neatly and legibly.

(2)

QUESTION 1



Use the information above to answer the questions that follow.

1.1.1 Write down the word that explains the financial concept illustrated above. (2) 1.1.2 Write, as a ratio, the price of a Spur burger in 2025 to the price in 1980. (2) 1.1.3 A favourite ice cream treat "Chico the Clown" was priced at R0,25 in 1980. Calculate the projected cost in 2025 if it increased with a ratio of 1:110 over the same time period. (2) 1.1.4 Choose the correct word from the brackets that will make the statement below true and write it in your answer book. The price of food at Spur showed a steady (increase / decrease) over time. (2) 1.1.5 On a Monday in 2025, the Spur burger is on special for R84,90. Calculate

the money saved if a person goes to Spur on a Monday.

[Source: https://www.instagram.com/askdomsa/

The heights of the South African national rugby union team for 2024/2025 are organised in TABLE 1 below. Downloaded from Stanmorephysics.com

TABLE 1: HEIGHTS OF RUGBY PLAYERS.

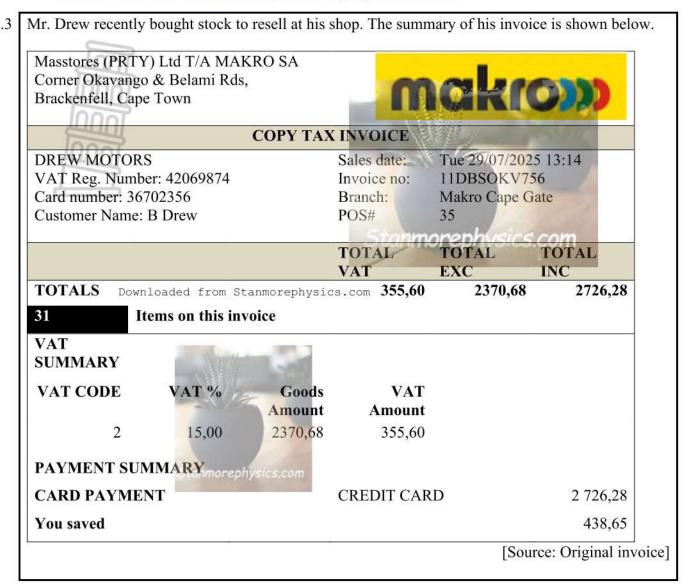
Height of players		
1,5 m - 1,8 m	///	3
1,8 m – 1,85 m	HH 11	7
1,85 m – 1,9 m	<i> </i>	A
1.9 m - 2 m		3
Stanmorephysics.com		
	[Source: h	ttps://all.rugby/club/south-africa/squad

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

- 1.2.1 Write down the name of the tool that was used to organise the data. (2)
- 1.2.2 Classify the heights of the rugby players as discrete OR continuous. (2)
- 1.2.3 Identify the missing value represented by A in the table. (2)
- 1.2.4 Identify one error that was made when drawing this table. (2)
- 1.2.5 Choose the step that follows in the data handling cycle from the list below.

 Write the correct letter in your answer book.
 - A) Representing data
 - B) Summarising data
 - C) Interpreting data

(2)



Use the information above to answer the questions that follow.

- 1.3.1 Write down the name of the branch where items were bought. (2)
- 1.3.2 Identify the method of payment used to pay. (2)
- 1.3.3 Show how the VAT amount was calculated. (2)
- 1.3.4. On the statement it is shown that 31 items were purchased.
 - Calculate the average price (including VAT) per item that was purchased (3)

[29]

2.1 TABLE 2 below shows the increase in Social Grants noted by South African Social Security Agency (SASSA) for the 2025/2026 book year.

TABLE 2: INCREASE OF DIFFERENT GRANTS 2025/2026

TS 2025	2026
2 185	5,00 2 315,00
t 2 205	2 335,00
2 185	2 315,00
1 180	0,00 1 250,00
grant Stanmorephysics 2185	5,00 2 315,00
	560,00
530	560,00
[Adapted from so	a nomine

Use the information in the table above to answer the following questions

2.1.1 In 2026 a family will receive the following SASSA grants:

1 × Old age grant,

2 × child support grants and

1× disability grant.

Calculate the latest monthly income of the family in 2026.

(4)

- 2.1.2 Determine the percentage increase of the War veterans grant from 2025 to 2026. (3)
- 2.1.3 Car guards rely mainly on tips, averaging ±R30 each, with 12–20 tips per day. This equates to daily earnings of R360–R600, subject to fluctuations based on location, day, and other factors.

ANNEXURE A compares this daily income of car guards with that of a household receiving two old-age grants per month in 2026.

- a) Write down the day on which the minimum income and the two old-age grants will be the same. (2)
- b) Show by means of calculation how "R5 570", the difference in income after 17 days indicated on the graph was determined. (5)

2.2 The latest Household Affordability Index shows that many South Africans are living below the food poverty line of R561 a month, with more than half of the population living on less than R1 230.

TABLE 3 below shows a budget for a typical South African household.

TABLE 3: TYPICAL HOUSEHOLD BUDGET

Several typical household expenses	For	Cost
Burial Insurance	Family	R275,00
Transport to work (2 taxi, return)	1 Adult	A
Transport to shops and to access public health services	Family	R154,00
Transport to school	1 Child	В
Prepaid electricity (360 kWh)	Family	R598,52
Debt on shop credit	Familynor	rephy:R300,00
School fees	1 Child	R1 000,00
Water (flat rate, unmetered households)	Family	R131,58
Food	Family	R2 327,17
Domestic and personal hygiene products	Family	R643,62
Airtime	Family	R300,00
'Savings' into stokvel, food stamps, etc	Family	R200,00
Total for typical expenses		R7 649,89
[Ada	oted from source: b	ousinesstech.co.za]

Use the information above to answer the questions that follow.

2.2.1 Calculate the percentage of the total budget spent on Food. (3)

2.2.2 The transport cost for "Transport to work" and "Transport to school" are in a ratio of 28:15.

Calculate A, the cost of transport to work. (5)

2.2.3 Use TABLE 4 below to verify whether the amount budgeted for electricity was correctly calculated.

TABLE 4: RESIDENTIAL ELECTRICITY TARIFF

BLOCK	CONSUMPTION (kWh)	TARIFF (R/kWh)
Block 1	0 –350	2,19
Block 2	More than 350	2,91

(7)

[29]

3.1 The Indian Premier League (IPL) is a professional Twenty20 cricket league in India comprising of ten teams. The popular cricket players are bought through an auction where the highest bid is declared the winner.

TABLE 5 below shows the 11 most expensive players as well as their batting results for 2025:

TABLE 5: THE 11 MOST EXPENSIVE IPL PLAYERS IN 2025

Players	Team	Туре	Rands Sold (in millions)	Years Active	Matches Played	Innings	Runs Made in 2025
Rishabh Pant	LSG	BAT	57,138	2025-2025	14	13	269
Shreyas Iyer	PBKS	BAT	56,604	2025-2025	17	17	604
Venkatesh Iyer	KKR	AR	50,374	2021-2025	62	56	1468
Arshdeep Singh	PBKS	BOWL	38,092	2019-2025	82	14	31
Yuzvendra Chahal	PBKS	BOWL	38,092	2025-2025	14	-	-
Jos Buttler	GT	BAT	33,464	2025-2025	14	13	538
KL Rahul	DC	BAT	29,726	2025-2025	13	13	539
Jofra Archer	RR	BOWL	26,522	2018-2025	47	30	258
Trent Boult	MInmor	BOWL	om 26,522	2020-2025	45	7	3
Josh Hazlewood	RCB	BOWL	26,522	2022-2025	anmore 37	sics.com7	19
Mohammed Siraj	GT	BOWL	25,988	2025-2025	15	1	3

[Adapted from:espncricinfo]

NOTE:

AR: All-rounder BAT: Batter BOWL: Bowler

Use TABLE 5 to answer the questions that follow.

3.1.1 Write down the name of the player with the most years active in the IPL. (2)

3.1.2 Calculate, rounded to one decimal place, the probability of randomly selecting a player from PBKS.

Round off your answer to one decimal. (4)

3.1.3 It was stated that more than half of the players' auction prices are less than the average auction price.

Show through calculations how this was calculated. (6)

- 3.1.4 Calculate the inter-quartile range (IQR) of the number of matches played. (5)
- 3.1.5 Suggest one reason why there are no statistics for Yuzvendra Chahal when he played 14 matches in total. (2)

3.2 ANNEXURE B shows an incomplete graph of the highest run scored and average runs for the top 9 players in the IPL in 2025.

Use the information above to answer the questions that follow.

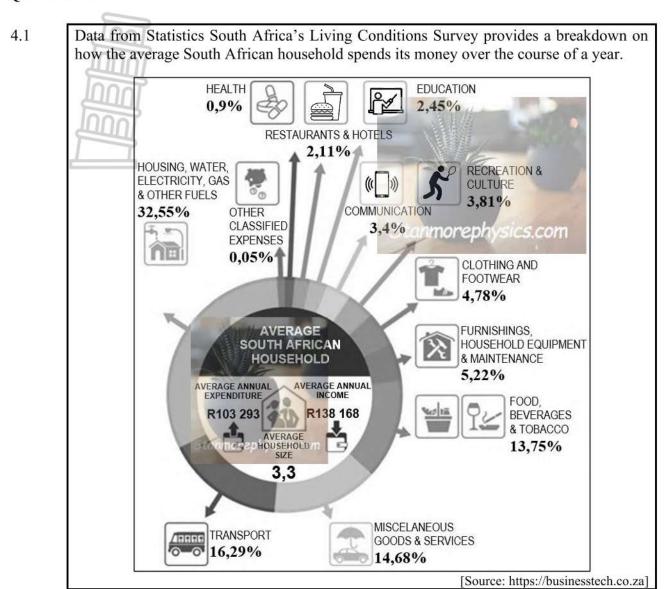
- 3.2.1 Write down the highest number of runs scored. (2)
- 3.2.2 Some of the information on the line-and bar graph is incomplete.

Use the data table that is provided to complete graphs on the same grid on the ANSWER SHEET on ANNEXURE B. (4)

3.2.3 A cricket specialist stated that there is no connection between the two sets of data.Critically comment on his statement by referring to the statistics of S. Yadav and M. Marsh.

[29]





Use the information above to answer the questions that follow.

- 4.1.1 Write the average annual income of a South African household in words. (2)
- 4.1.2 Write the percentage of Education to Food, Beverages and Tobacco in simplified ratio. (3)
- 4.1.3 Determine the difference between the amount of money spent on Education compared to the money that was spent on clothing & footwear. (7)

(3)

4.2 China is one of the world's leading producers and exporters of fruit, supplying both domestic and international markets with a wide variety of produce. The fruit industry plays a significant role in the country's agricultural economy, contributing billions of dollars in income and employing millions of people across different regions.

TABLE 6 shows the production of China's top 10 fruits in 2024 as well as employment in each sector.

TABLE 6: PRODUCTION AND EMPLOYMENT OF TOP 10 FRUITS IN CHINA

Fruit	Production Volume (Million Metric Tons)	ume Ilion cric Domestic Income (Billion USD)		Estimated Employment	Global production (Million Metric Tons)	% of global production	
Apples	48	14,4	1,1	1 200 000	97,34	49,3%	
Grapes	16	4,8	0,6	800 000	72,49	22,1%	
Pears	20,2	6,1	0,5	900 000	26,51	76,2%	
Bananas	13,5	3,5	0,3	700 000	139,28	9,7%	
Oranges	10	2,8	0,2	600 000	69,85	14,3%	
Watermelons	9,5	2,5	0,15	550 000	104,93	9,1%	
Peaches	8	2	0,1	500 000	27,08	29,5%	
Plums	6,5	1,6	0,08	450 000	12,49	52,0%	
Mangoes	5,45	2,6	0,45	350 000	61,11	8,9%	
Cherries	0,45	reph 1,2 con	3,7	300 000	2,96	15,2%	

Use TABLE 6 above to answer the questions that follow

- 4.2.1 Identify the fruit with the largest contribution to the domestic income. (2)
- 4.2.2 Globally 104,93 million metric tons of watermelons are produced.

Show through calculations, how the percentage of global production for watermelons was calculated.

- 4.2.3 Arrange the export income in ascending order. (2)
- 4.2.4 Calculate the median for the export income. (3)
- 4.2.5 Determine as a percentage, the probability of randomly selecting a type of fruit that will provide employment opportunities to less than half a million people. (3)
- 4.2.6 An analyst states that Cherries is the most profitable product that China produces.

 Critically comment on this statement by referring to at least two variables from the graph.

 (3)

 [28]

Mathematical Licewnloaded from Stanmorephysics.com QUESTION 5

NOTE: M = Million anmore physics.com

5.1 ANNEXURE C shows the comparative pie charts of main destinations and origins of wine in terms of import and export for South Africa.

Wine imports and exports form a large part of South African trade. A total of R 11,8 billion was made through exports, while R1,03 billion was paid for imports in 2024.

TABLE 7 below shows the increase of wine exports and imports in ZAR in 2024.

TABLE 7: DATA RELATING TO IMPORTS AND EXPORTS OF WINE IN SOUTH AFRICA.

WINE E	EXPORTS IN	INCREASE OF WINE IMPORTS IN 2024 (ZAR)				
	Increased by	Country	Increased by			
1	273M	Australia	28,6M			
	81M	Portugal	11,5M			
-3/1	55,4M	United states	8,85M			
	WINE F	273M 81M	Increased by Country 273M Australia 81M Portugal			

Use the information above as well as the graphs on ANNEXURE C to answer the questions that follow.

- 5.1.1 Write the amount paid for imports as a number, without using words. (2)
- 5.1.2 Write the amount that was made from exports to Sweden as a percentage of the total amount made through exports. (3)
- 5.1.3 Calculate the difference in the percentage for "other countries" when imports and exports are compared (3)
- 5.1.4 Calculate, in millions, the amount paid for imports from Italy in 2024. (3)
- 5.1.5 A market analyst stated that the increase of 11,5 million Rand paid for imports from Portugal, is more than 30% of the total amount paid for imports from Portugal in 2024.

Verify whether his statement is valid by showing all calculations. (5)

5.2 Valdis is a Latvian winemaker. He earns an annual taxable income of €19 067.

Latvia has a progressive Personal income tax system. Unless the law provides for a different rate, the progressive rate is based on the level of annual income. TABLE 8 below shows how tax is calculated.

TABLE 8: PERSONAL INCOME TAX TABLE USED IN LATVIA

PERSONAL INCOME TAX RATES (PIT): LATVIA

Updated: 13.02.2025

BASIC FORMS OF INCOME:

- Annual Taxable Income
- Income from Business Activities

PIT Rate	Amount	
25,5%	Under EUR 105 300	
33%	EUR 105 300 to 200 000	
Additional 39	% Above EUR 200 000	

RATE	OTHER FORMS OF INCOME
28% (fixed)	Total income received from dividends, bank interest, life insurance policies, investments in private pension funds, individual management of financial instruments
25,5 % (fixed)	A professional athlete's annual total wage income from participation in professional sports.

NOTE: €1 = R 20,30

[Adapted from: www.vid.gov.lv]

Use TABLE 8 above as well as the South African income tax table on ANNEXURE D to answer the questions that follow.

- 5.2.1 Calculate the percentage at which tax would be calculated if a person earns more than 200 000 euros (€) (3)
- 5.2.2 Use the Latvian tax table to calculate the income tax that Valdis needs to pay. (2)
- 5.2.3 Valdis states that his converted income will be R 387 060,10. Show how this amount was calculated. (2)
- 5.2.4 Valdis also states that he would pay more income tax in South Africa if he were paid a similar salary there.

Verify his statement by showing the necessary calculations (8)

5.2.5 Andris Biedrins is a professional Latvian athlete. He plays basketball for the national team and receives an annual taxable income of €184 170.

Calculate his annual personal income tax payable.

(2)

5.2.6 Give one possible reason why an athlete would be taxed at a lower tax rate than other citizens.

(2) [35]

TOTAL: 150



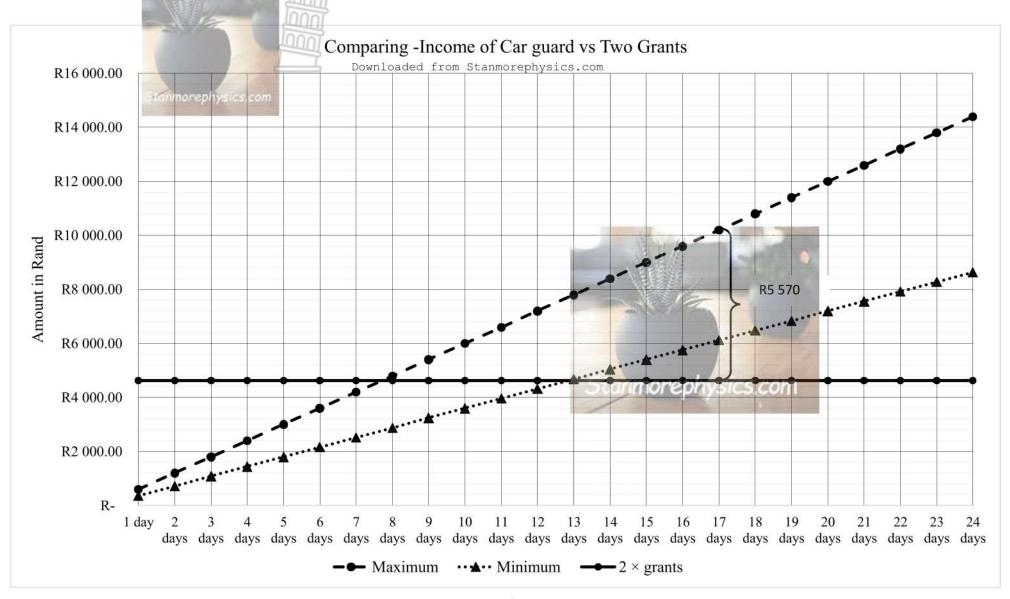
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FOLLOW THESE INSTRUCTIONS CAREFULLY.

- 1. Clearly write your name, surname and class number in the space provided.
- 2. Answer ALL questions in the spaces provided.
- 3. No pages may be torn from this answer book.
- 4. Read the instructions in each examination paper.
- 5. Candidates may not retain an answer book or remove it from the examination room.
- 6. Answers must be written in black/blue ink as distinctly as possible.
- 7. Do not write in the margins.
- 8. If you require additional space for your answers:
 - Use the additional space for rough work provided in the answer book.
 - When answering a question in the additional space, indicate clearly the question number in the column on the left-hand side.
- 9. Draw a neat line through any work that must not be marked.

Solution	Marks
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	[29]

ANNEXURE A: COMPARISON OF THE CAR GUARD AND TWO GRANTS - QUESTION 2.1.3



	Solution	Marks
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		(4)
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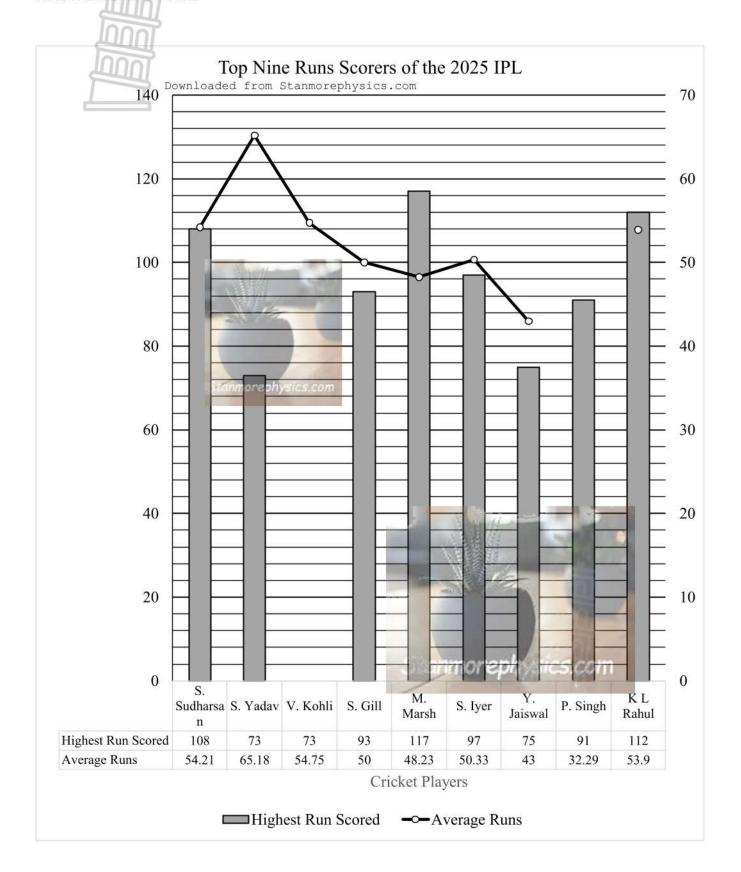
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ANNEXURE B:

QUESTION 3.2

ANSWER SHEET 3.2.2



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September 2025

3.2.1		
3.2.2	Complete the graph on the ANSWER SHEET on ANNEXURE B	(4)
3.2.3		
		(4)
		[29]

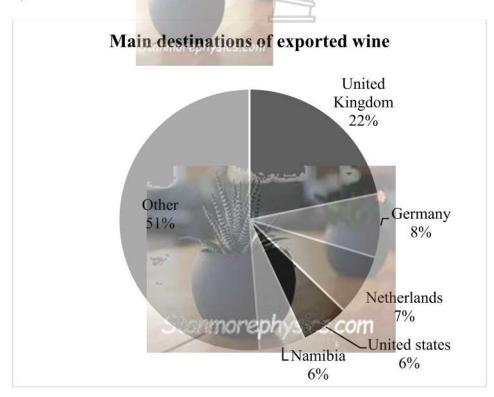


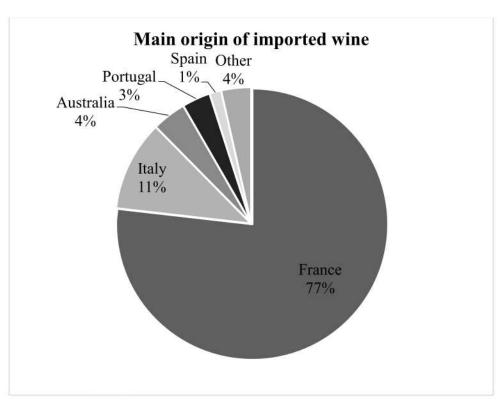
	Solution	Marks
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ANNEXURE C

QUESTION 5.1 COMPARATIVE PIE CHARTS OF MAIN DESTINATIONS AND ORIGINS OF WINE





[Source: www.oec.world]

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ANNEXURE D

QUESTION 5.2

TABLE 8: TAX TABLE FOR THE 2025/26 FINANCIAL YEAR

TAX	TAXABLE	TAX RATE (IN RANDS)		
BRAC-	INCOME			
KET	1001			
1 %	$1-237\ 100$	18% of taxable income		
2	237 101 – 370 500	42 678 + 26% of taxable income above 237 100		
3	370 501 - 512 800	77 362 + 31% of taxable income above 370 500		
4	512 801 - 673 000	121 475 + 36% of taxable income above 512 800		
5	673 001 – 857 900	179 147 + 39% of taxable income above 673 000		
6	857 901 – 1 817 000	251 258 + 41% of taxable income above 857 900		
7	7 1 817 001 and above 644 489 + 45% of taxable income above 1 817 000			
		TAX REBATES		
Primary	Primary R17 235			
Secondar	y (65 years and older)	R9 444		
Tertiary (75 years and older)	R3 145		
	-200	MEDICAL TAX CREDITS		
PER MO	PER MONTH 2025/2026			
Main member with no additional dependants R364		dependants R364		
First dependant Stanmorephysics.com R364				
For each additional dependant R246				

[Source:sars.co.za]

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