

# education

Department: Education NORTHERN CAPE

PROVINCIAL EXAMINATIONS



This question paper consists of 11 pages including 3 annexures.

#### INSTRUCTIONS AND INFORMATION

- 1. This question paper consists of FOUR questions. Answer ALL the questions.
- 2. Use the ANNEXURES to answer the following questions:

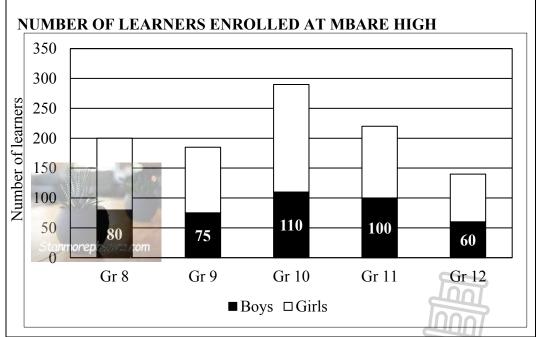
ANNEXURE A for QUESTION 1.1 ANNEXURE B for QUESTION 2.1 ANNEXURE C for QUESTION 4.1

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



### **QUESTION 1**

1.1 An extract of the bank statement of Ms Modise is given in ANNEXURE	A.
Some transactions have been omitted.	
Use ANNEXURE A to answer the questions that follow.	
1.1.1 Write down the account number of Ms Modise.	(2)
1.1.2 Write down Ms Modise's salary amount.	(2)
1.1.3 Explain the meaning of the additional information: (# these fees are inclusive of VAT at 15%)	(2)
1.1.4 Calculate the value of $\mathbf{A}$ , the balance on 24/11.	(3)
1.2 The number of learners enrolled at Mbare high school is given in the grap below.	h



Use the graph above to answer the questions that follow.

- 1.2.1 Name the graph used to represent the number of learners above. (2)
- 1.2.2 Determine the number of girls in Grade (Gr) 8. (3)
- 1.2.3 State whether the data in the graph are discrete or continuous data. (2)
- 1.2.4 Name another graph that can be used to represent the data above. (2)
  - [18]

### **QUESTION 2**

2.1	Kabo is a 66 year old manager, who earned an annual taxable income of
	R465 280 during the 2020/21 financial year.
Щ	He is a member of a medical aid and contributes monthly for him and his wife.
	ANNEXURE B shows the personal income tax rates, tax rebates and tax thresholds for individuals for tax year 1 March 2020 to 28 February 2021.

Use ANNEXURE B to answer the questions that follow.

- 2.1.1 Define the term *tax threshold*. (2)
- 2.1.2 Show that the tax threshold for *Age 75 and older*, R143 850, in the table is CORRECT.
- 2.1.3 Calculate Kabo's annual income tax payable.

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(7)
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(4)

2.2 Kabo is renting a townhouse in town.TABLE 1 below shows the town's tariff structure for water consumption.

#### TABLE 1: MUNICIPAL TARIFF STRUCTURE

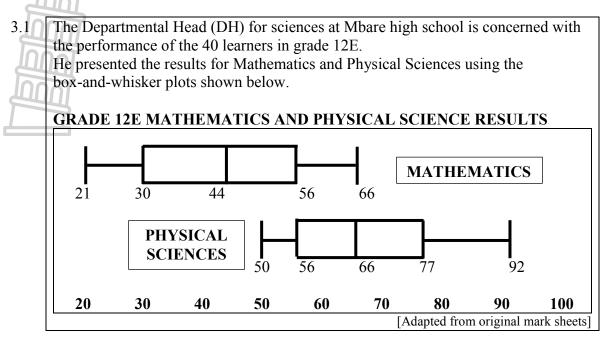
	Prepaid Water	2019/20 c/kl	2020/21 c/kť
Block 1	$0-7 \mathrm{k\ell}$	856,35	868,95
Block 2	more than $7 - 13,5 \text{ kl}$	1 089,28	1 106,32
Block 3	more than $13,5-25 \text{ kl}$	1 546,83	1 579,74
Block 4	more than 25 kl	1 825,10	1 859,53
	[Adapted from	Gasegonyane Mun	icipal Water Tariffs

#### All tariffs exclude 15% VAT

- 221 Write the amount used for Block 3 in 2021 in rand and cent. (2) 2.2.2 Define the term *tariff* in the given context. (2)Determine, to the nearest percentage, the increase in the price per k $\ell$  for 2.2.3 Block 4 from 2019/2020 to 2020/2021. You may use the following formula: 2020/21price - 2019/20price **Percentageincrease** = ×100% (5) 2019/20 price 2.2.4 Kabo used 27 kl of water in July 2019.
  - Determine the total amount payable, including VAT, for July 2019. (6)

[28]

### **QUESTION 3**



Use the box-and-whisker plots above to answer the questions that follow.

3.1.1	Write down the difference between the highest and the lowest marks in Physical Sciences.	(3)
3.1.2	Determine the probability, as a percentage, of randomly selecting a learner who scored less than 77% in Physical Sciences.	(2)
3.1.3	Determine how many learners scored less than 30% in Mathematics.	(3)
3.1.4	Determine in which subject the learners performed better. Give a reason for your answer.	(3)



3.2

 TABLE 2 shows the results for selected subjects in the 2023 NSC examinations.

		IATICAL RACY	MATHEMATICS		PHYSICAL SCIENCES	
PROVINCE	Total wrote	% Achieved at 30% and above	Total wrote	% Achieved at 30% and above	Total wrote	% Achieved at 30% and above
Eastern Cape	50 658	80,6	43 021	57,4	31 894	75,0
Free State	20 223	89,7	12 845	69,9	10 339	80,2
Gauteng	84 337	86,3	42 773	69,1	32 317	77,9
Kwazulu-Natal	96 924	80,2	61 162	64,2	47 231	77,8
Limpopo	47 435	83,1	44 821	60,2	37 458	77,1
Mpumalanga	37 287	78,0	28 019	58,0	25 604	68,4
North West	28 840	82,3	11 126	66,7	В	76,4
Northern Cape	9 837	75,4	2 725	57,0	2 075	67,2
Western Cape	46 294	82,4	15 524	75,4	10 082	82,2
NATIONAL	421 835	82,3	262 016	63,5		76,2

Use TABLE 2 and the information above to answer the questions that follow.

3.2.1	Write down the number of provinces that performed below the national average pass percentage in Mathematical Literacy.	(2)
3.2.2	Write down the modal pass percentage for Mathematical Literacy.	(2)
3.2.3	Write the number of learners who wrote Mathematics in the Western Cape as a percentage of the total number of learners who wrote Mathematics.	(4)
3.2.4	Calculate the median percentage of learners that achieved 30% and above in Physical Sciences.	(3)
3.2.5	The average number of learners who wrote Physical Sciences in 2023 was 22 933. Calculate, <b>B</b> , the number of learners that wrote Physical Sciences in North West.	(5) [ <b>27</b> ]

Show all your calculations.

### **QUESTION 4**

QUESTION	4		
The bi	ang owns his own bakery trading a read is only sold in dozens. EXURE C shows the graph of the r e per week.		
Use A follow		above to answer the questions that	
4.1.1	Determine the number of dozens he must sell before he starts making profit. (2)		
4.1.2	Use the graph to write a formulae cost.	e that can be used to calculate the total	(4)
4.1.3	Lebogang claimed that he will m 200 dozen.	ake more than R8 000 profit if he sells	
	Verify, showing ALL calculation	ns, whether his claim is valid.	(6)
delive He ha	ang realized that his business was ry vehicle. s two options to finance the vehicle BLE 3: TWO OPTIONS TO PUR	e as shown in TABLE 3 below.	
OP	TION 1	OPTION 2	
CA	SH PRICE: R450 000	HIRE PURCHASE:	
		20% deposit on cash price.	
		R15 750 installment per month	
Stan	or physics.com	for 2,5 years.	
		[Adapted from <u>www.moneyloans.co.za</u> ]	
Use T	ABLE 3 above to answer the ques	tions that follow.	
4.2.1	Calculate the deposit amount for	Option 2.	(2)
4.2.2	Compare the cost of the two opti Advice Lebogang on which optic		

(6)

TIDI

TABLE 4: MC	ONTHLY SALES IN		1
	2020	AR 2021	
MONTH	SALES (000)	SALES (000)	
January	890	1 245	
February	892	1 350	
March	905	1 452	
April	910	1 568	
May	920	1 652	
June	938	1 712	
July	945	1 720	
August	955	1 800	
September	977	1 881	
October	980	1 901	
November	1000	1 950	
December	1 150	2 145	

Use TABLE 4 above to answer the questions that follow.

- 4.3.1 Determine the probability, as a simplified fraction, of randomly selecting a month with less than R1 000 000 total sales in 2020.
- 4.3.2 The Inter Quartile Range (IQR) for the sales in October 2021 is R381 000. Quartile 1 (Q1) is R1 510 000.

Lebogang stated that the value of Quartile 3 is R1 891 000.

Verify, showing ALL calculations, whether his statement is correct.

You may use the following formula:

$$IQR = Q3 - Q1$$

(3)

ANNEXURE A					
<b>QUESTION 1.1</b>					
BANK ACCOUNT STATE	MENT OF M	IS MODISE			
Miss B.N MODISE				Royal Sta	te Bank
P.O Box 2940				P.O Box 3	
Pinetown				Vryheid	
3600				3100	
Statement frequency: Monthly					
Statement from 13 November 2023 to 12	December 20	)23			
BANK STATEMENT/ TA					
ELITE PLUS CHEQUE					
ACCOUNT	Acc	count number:	04 305 524 2	Statem	ent no. 15
DETAILS	SERVICE FEE	DEBITS	CREDITS	DATE	BALANCE
Balance brought forward					6 493,01 -
Purchase fee	#	85,00 -		24/11	A -
Credit transfer salary			37 150,23	25/11	30 572,22
Other bank ATM withdrawal at ABSA		500,00 -	- Anna -	25/11	30 072,22
Fee other bank ATM	#	6,70 -		25/11	30 065,52
Debit card purchase from Game		3 789,99 -	3.3.976	30/11	26 275,53
Iwyze insurance NAEDO debit		894,55 -		30/11	25 380,98
Service fee	#	3,50 -	- 1	30/11	25 377,48
Debit card purchase at Tile Mart		<u>8 957, 00 -</u>	1.1	01/12	16 420,48
Purchase fee	# Stan	65,00 -	com	01/12	16 355,48
Closing balance	/			01/12	16 355,48
Up to I	raft limit R3 000,00 at R3 000,00 at	,			
# These fees are inclusive of VAT at	15%			a	
			[Adapted from	n <u>www.stand</u>	ardbank.com]
				ļ	

#### **ANNEXURE B**

#### **QUESTION 2.1**

### PERSONAL INCOME TAX RATES, TAX REBATES AND TAX THRESHOLDS FOR 2020/2021 (MARCH 2020 – 28 FEBRUARY 2021)

#### **TAX RATES 2020/2021**

TAXABLE INCOME (R)	RATES OF TAX (R)
1 - 205 900	18% of taxable income
205 901 - 321 600	37 062 + 26% of taxable income above 205 900
321 601 - 445 100	67 144 + 31% of taxable income above 321 600
445 101 - 584 200	105 429 + 36% of taxable income above 445 100
584 201 - 744 800	155 505 + 39% of taxable income above 584 200
744 801 - 1 577 300	218 139 + 41% of taxable income above 744 800
1 577 301 and above	559 464 + 45% of taxable income above 1 577 300

#### **TAX REBATES 2020/2021**

Primary (below 65)	R14 958
Secondary (65 and older)	R8 199
Tertiary (75 and older)	R2 736

#### TAX THRESHOLDS 2020/2021

Below age 65	R83 100
Age 65 to age 74	R128 650
Age 75 and older	R143 850

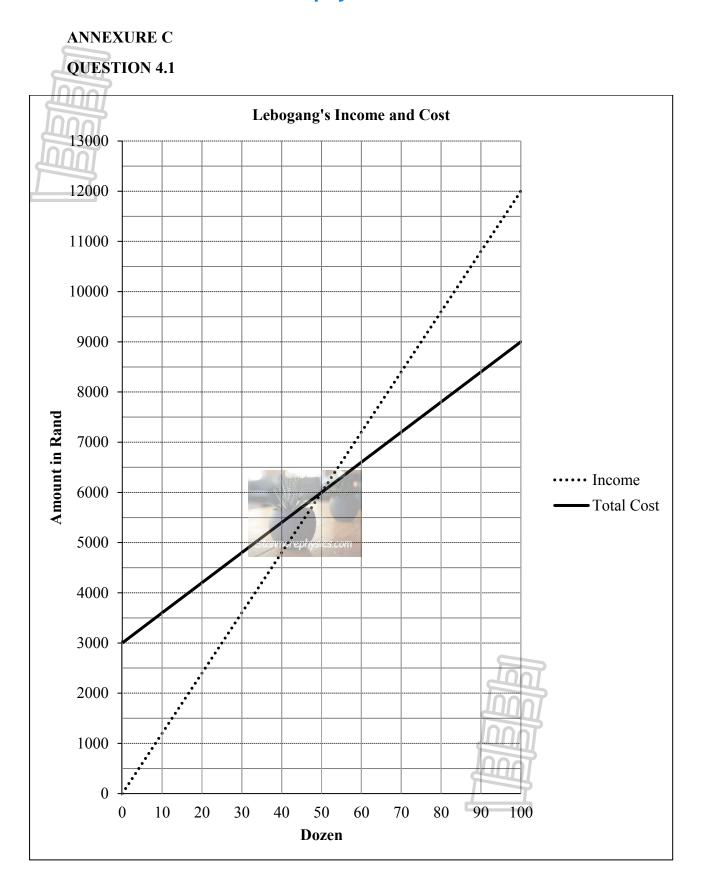
#### MONTHLY MEDICAL AID TAX CREDITS

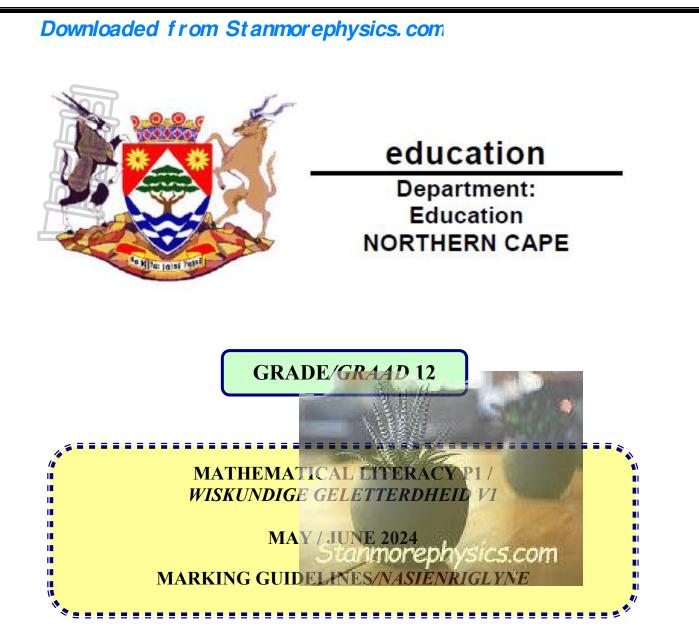
Main member	R319
First dependant	R319
Each additional dependant	R215

[Adapted from www.sars.za]



## Doumloaded pf/com 2Stanmorephysics.com





#### MARKS/PUNTE: 100

Symbol/Kode	Explanation/Verduideliking
MA	Method with accuracy/Metode met akkuraatheid
CA	Consistent accuracy/Volgehoueakkuraatheid
Α	Accuracy/Akkuraatheid
С	Conversion/Herleiding
S	Simplification/Vereenvoudiging
RT	Reading from a table/graph/document/diagram/Lees
	vanaftabel/grafiek/document/diagram
SF	Correct substitution in a formula/Korrektevervanging in 'n formule
0	Opinion/Explanation/Opinie/Verduideliking
Р	Penalty, e.g. for no units, incorrect rounding off, etc./Penalisasie, bv. virgeeneenhede,
	verkeerdeafronding, ens.
R	Rounding off/Afronding
NPR	No penalty for rounding/Geenpenalisasievirafrondingnie
AO	Answer only/Slegs antwoord
MCA	Method with constant accuracy/Metode met volgehoueakkuraatheid

These marking guidelines consist of 10 pages including 1 page of notes. *Hierdie nasienriglyne bestaan uit 10 bladsye insluitende 1 bladsy met notas.* 

#### NOTE:

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however it stops at the second calculation error or break-down.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra item presented.
- Rounding is an independent mark.
- General principle of marking, if the candidate makes one mistake one mark is deducted.
- A conclusion mark can only be given if relevant calculations precedes it (at least 1 mark before conclusion).
- No penalty for rounding (NPR) if the first decimal is correct, except questions involving money.

#### LET WEL:

- As 'n kandidaat 'n vraag TWEE KEER beantwoord, sien slegs die EERSTE poging na.
- As 'n kandidaat 'n antwoord van 'n vraag doodtrek (kanselleer) en nie oordoen nie, sien die doodgetrekte (gekanselleerde) poging na.
- Volgehoue akkuraatheid (CA) word in ALLE aspekte van die nasienriglyne toegepas; dit hou egter op by die tweede berekeningsfout of 'break-down'.
- Wanneer 'n kandidaat aflesings vanaf 'n grafiek, tabel, uitlegplan en kaart geneem en ekstra antwoorde gee, penaliseer vir elke ekstra item.
- Afronding tel as 'n afsonderlike punt.
- Die algemene beginsel van merk as 'n leerder een fout maak, word een punt afgetrek.
- 'n Gevolgtrekkingspunt kan slegs gegee word indien relevante berekeninge dit voorgaan (ten minste een punt voor die gevolgtrekking).
- Geen penalisering vir ronding (NPR) as die eerste desimaal korrek is nie, behalwe as vrae geld insluit.

QUESTION/VRAAG 1 [18 MARKS/PUNTE]ANSWER ONLY = FULL MARKS			S
$\mathbf{Q}/V$	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.1	04 305 254 2 ✓✓ A	2A account number (2)	F L1
1.1.2	R37 150,23 ✓✓RT	2RT correct amount (2)	F L1
1.1.3	15% VAT is already included in the amount show on the statement / 15% BTW is reeds ingesluit by die bedrag wat op die staat verskyn. $\checkmark \checkmark A$	2A correct explanation (2)	F L1
*			F
1.1.4	Value of A / Waarde van A ✓RT = - R6 493,01 - R85,00 ✓MA = - R6 578,01 ✓CA	1RT correct value = – R6 493,01 1MA subtracting R85,00 1CA simplification	L1
	OR / OF ✓RT = R30 572,22 - R37 150,23 ✓MA = - R6 578,01 ✓CA	OR / OF 1RT correct value = R30 572,22 1MA subtracting R37 150,23 1CA simplification If amount positive = 2/3 marks (3)	

$\mathbf{Q}/V$	Solution/Oplossing	Explanation/Verduideliking	T&L
1.2.1	Compound (stacked) bar graph / Saamgestelde	<u>_</u>	D L1
	(gestapelde) staafgrafiek ✓✓ A	2A correct graph (2)	
1.2.2	Number of girls / Aantal dogters		D L1
L	$\checkmark$ RT = 200 - 80 $\checkmark$ MA	1RT correct value (200)	
	$= 120 \checkmark CA$	1MA subtracting 80 1CA simplification	
		(3)	
1.2.3	Discrete data / Diskrete data ✓✓A	2A correct classification (2)	D L1
		(2)	D
1.2.4	Line graph / Lyngrafiek		L1
	<b>OR</b> / <i>OF</i> ✓ ✓ A	2A type of graph	
	Double bar graph / Dubbele staafgrafiek		
		(2)	
		[18]	



$\mathbf{Q}/V$	STION/VRAAG 2 [28 MARKS/PUNTE] Solution/Oplossing	Explanation/Verduideliking	T&L
* 2.1.1	The amount you can earn (or less) without paying income tax /		F L1
	Die bedrag wat jy kan verdien (of minder) sonder om inkomstebelasting te betaal. $\checkmark \checkmark A$	2A explanation (2)	
2.1.2	$\checkmark$ RT = R14 958 + R8 199 + R2 736 $\checkmark$ MA	1RT all 3 correct values 1MA adding correct values	F L3
	= R25 893 ✓MCA	1MCA simplification	
	$= R25 893 \div 18\% \checkmark MCA \qquad OR \times \frac{100}{18}$	1MCA dividing by 18%	
	= R143 850		
	<b>OR</b> / <i>OF</i>	OR/OF	
	$\frac{10}{100} \times R143\ 850 \checkmark MCA$	1MCA dividing by 18% 1MCA simplification	
	= R25 893 ✓RT	1RT correct values	
	$\therefore R25\ 893 - R14\ 958 - R8\ 199 - R2\ 736 \ \checkmark MA = R0$	1MA subtracting values	
		(4)	
2.1.3	Annual tax payable / Jaarlikse belasting betaalbaar		F L3
2.1.3	✓ A	1A correct bracket	25
	= R105 429 + 36% (R465 280 - R445 100) = R105 420 + $36\% (R20 180) = 67$	1S simplification	
	$= R105 429 + 36\% (R20 180) \checkmark S$ = R105 429 + R7 264,80		
	$= R112693,80 \checkmark CA$	1CA tax before rebates	
	Stanmorephys MAm	1M subtracting the both rebates	
	$= R112\ 693,80 - (R14\ 958 + R8\ 199)$	1CA simplification	
	$=$ R89 536,80 $\checkmark$ CA		
	= R89 536,80 - [(R319 + R319) ×12]		
	$= R89 536,80 - R7 656,00 \checkmark MA$	1MA subtracting medical	
	$= R81 880,80 \checkmark CA$	credits 1CA simplification	
		(7)	

$\mathbf{Q}/V$	Solution/Oplossing	Explanation/Verduideliking	T&L
2.2.1	= 1 579,74 ÷ 100 ✓MA = R15,7974	1MA dividing by 100	F L1
	$=$ R15,80 $\checkmark$ A	1A simplification AO (2)	
*			F
2.2.2	Amount paid for a single (per) $\underline{k\ell}$ used / Bedrag betaal vir 'n enkele (per) $\underline{k\ell}$ gebruik. $\checkmark \checkmark A$	2A explanation (2)	L1
2.2.3	Percentage increase = $\frac{\checkmark MA}{1859,53 - 1825,10} \times \frac{\checkmark MA}{100\%}$	1MA subtracting values 1A denominator 1MA percentage calculation	F L2
	= 1,886471974% ✓CA	1CA simplification	
	=2% VR	1R correct rounding (5)	
* 2.2.4	Amount excluding VAT / Bedrag BTW uitgesluit $\checkmark$ MA Block 1 7 × 856,35 = 5 994,45 $\checkmark$ A Block 2 6,5 × 1 089,28 = 7 080,32 Block 3 11,5 × 1 546,83 = 17 788,545 $\checkmark$ MA Block 4 2 × 1 825,10 = 3 650,20 = 34 513,515 ÷ 100 = R345,13515 $\checkmark$ MA = R345,13515 $\checkmark$ MA = R345,13515 $\times$ 1,15 $OR \times \frac{115}{100}$ = R396,91 $\checkmark$ CA	1MA multiplying with correct tariff (any 1) 1A simplification 1MA adding values 1CA VAT exclusive cost 1MA adding VAT 1CA simplification with unit (6)	F L3

	STION/VRAAG 3 [27 MARKS/PUNTE]	1	
$\mathbf{Q}/V$	Solution/Oplossing	Explanation/Verduideliking	T&L
*	✓RT	1RT correct value (92%)	D
3.1.1	$= 92\% - 50\% \checkmark MA$	1MA subtracting 50%	L1
Ļ	= 42% ✓CA	1CA simplification	
Ī		NPU	
¢		(3)	
. 4			Р
3.1.2	Probability / Waarskynlikheid		L2
	77% →Q3 <b>✓</b> RT	1RT identifying Q3	
	$=75\%$ $\checkmark$ A	1A 75 %	
		AO	
		(2)	
3.1.3	200/ \01	1PT identifying O1 (25%)	D L3
5.1.5	$30\% \rightarrow Q1$ $\checkmark RT$	1RT identifying Q1 (25%)	LS
	$25\% \times 40$ learners $\checkmark MA$	1MA multiply with 40	
		init manupity with to	
	= 10 learners / <i>leerders</i> $\checkmark$ CA	1CA learners	
		Starmorenhusies.com (3)	
*			D
3.1.4	Physical Sciences / <i>Fisiese Wetenskappe</i> ✓A	1A correct subject	L4
	30 learners scored more than 56% compared to 10		
	learners in Mathematics / 30 leerders het meer as 56%		
	behaal in vergelyking met met 10 leerders in Wiskunde.		
	$OR / OF $ $\checkmark \checkmark O$		
		20 comparison	
	20 learners in Physical sciences scored more than 66%		
	none learners scored more than 66% in in Mathematics		
	/ 20 leerders in Fisiese Wetenskappe het meer as 66%		
	behaal, geen leerders het meer as 66% in Wiskunde		
	behaal nie.	(3)	
*			D
3.2.1	$4 \checkmark RT$	2RT number of provinces	L1
*			D
3.2.2	No mode / Geen modus $\checkmark \checkmark A$	2A no mode	L2
		(2)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
_	Percentage / Persentasie $\checkmark RT$ $= \frac{15524}{262016} \times 100\% \checkmark MA$ $\checkmark RT$	1RT correct value 1RT correct value 1MA percentage calculation	D L2
4	= 5,924829018 = 5,9% ✓CA	1CA simplification (4)	
* 3.2.4	67,2 68,4 75,0 76,4 77,1 77,8 77,9 80,2 82,2 ✓MA	1MA arranging	D L2
	Median / Mediaan = 77,1% $\checkmark \checkmark A$	2A correct median AO (3)	
3.2.5	✓MA 22 933 = $(31 894 + 10 339 + 32 317 + 47 231 + 37 458 + 25 604 + \mathbf{B} + 2 075 + 10 082) \div 9 \checkmark MA$ ✓MA	1MA adding all values 1MA concept of mean	D L3
	$22 933 \times 9 = 31 894 + 10 339 + 32 317 + 47 231 + 37 458 + 25 604 + B + 2 075 + 10 082$ Stanmore physics.com	1MA multiplying by 9	
	$206\ 397 - 197\ 000 + \mathbf{B}$ $206\ 397 - 197\ 000 = \mathbf{B} \checkmark \mathbf{MA}$	1MA changing the subject of the formula	
	$\mathbf{B} = 9 \ 397 \ \checkmark \mathbf{CA}$	1CA simplification	
	<b>OR</b> / <i>OF</i>	OR / <i>OF</i>	
	$22\ 933 = \frac{\checkmark MA}{9} \checkmark MA$	1MA adding all values 1MA concept of mean	
	$197\ 000 + \mathbf{B} = 22\ 933 \times 9 \checkmark \mathbf{MA}$	1MA multiplying by 9	
	$\mathbf{B} = 206\ 397 - 197\ 000\ \checkmark \mathrm{MA}$	1MA changing the subject of the formula	
	$\mathbf{B} = 9 \ 397 \ \checkmark \mathbf{CA}$	1CA simplification (5)	
		[27]	

QUESTION/VRAAG 4 [27 MARKS/PUNTE]			
$\mathbf{Q}/V$	Solution/Oplossing	Explanation/Verduideliking	T&L
4.1.1	50 dozen / dosyn ✓✓RT	2RT break-even point (2)	F L2
4.1.2	Fixed cost / Vaste koste = R3 000		F L2
	Variable cost = $\frac{6\ 000 - 3\ 000}{50}$ $\checkmark$ MA	1MA calculating unit price	
	$=$ R60 $\checkmark$ A	1A variable cost	
	✓A Total cost = R3 000 + R60 × number of dozens ✓A <i>Totale koste</i> = R3000 + R60 × aantal dosyn	$1A \text{ fixed cost} \\ 1A \times \text{number of dozens} $ (4)	
		CA from Question 4.1.2	F
4.1.3	Income / Inkomste = $R120 \times 200 \checkmark MA$ = $R24\ 000 \checkmark A$	1MA multiplying with R120 1A simplification	L4
	Total cost / <i>Totale koste</i> = R3 000 + (R60 × 200) ✓MA = R15 000 ✓MCA	1MA multiplying <u>and</u> adding 1MCA simplification	
	Profit / Wins = R24 000 - R15 000 = R9 000 ✓CA	1CA profit	
	His claim is VALID / Sy bewering is GELDIG. ✓O	10 conclusion (6)	
4.2.1	Deposit / Deposito		F L1
	$= 20\% \times R450\ 000 \checkmark MA$	1MA calculating 20%	
	$= R90\ 000 \checkmark A$	1A simplification <b>AO</b>	
		(2)	

May/June 2024

4.2.2Option / Opsie 1 = R450 000 $\checkmark$ RT Option / Opsie 2 = 2,5 years / jaar $\longrightarrow$ 30 months / maandeIRT cash price IA number of months= R90 000 + (R15 750 $\times$ 30) $\checkmark$ MA $\checkmark$ MA = R90 000 + R472 500 = R562 500 $\checkmark$ CAIMA calculating instalm IMA adding deposit= R562 500 $\checkmark$ CA Option 1 is cheaper / Opsie 1 is goedkoper. OR / OF is better as jy nie die volle bedrag kontant het nie, maar die maandelikse paaiemente kan bekostig.IO advice4.3.1Probability / Waarskynlikheid4.3.1	L4
R450 000 $\checkmark$ RTIRT cash priceOption / Opsie 2 $\checkmark$ AIA number of months= 2,5 years / jaar $\longrightarrow$ 30 months / maandeIA number of months= R90 000 + (R15 750 $\times$ 30) $\checkmark$ MAIMA calculating instalm $\checkmark$ MAIMA= R90 000 + R472 500IMA adding deposit= R562 500 $\checkmark$ CAICA simplificationOption 1 is cheaper / Opsie 1 is goedkoper.IO adviceOR / OF $\checkmark$ OIO advice	
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4.3.1 Probability / Waarskynlikheid	(6)
4.3.1 Probability / Waarskynlikheid	Р
	L2
$-\frac{10}{4}$ A 1A numerator	
$= \frac{10}{12} \stackrel{\checkmark}{\checkmark}_{A} $ 1A numerator 1A denominator	
5 (2)	
$=\frac{5}{6} \checkmark CA$ 1CA simplification	(3)
	D
$\begin{array}{c c} 4.3.2 & IQR = R381\ 000 \\ Q1 = R1\ 510\ 000 \end{array}$	L4
$IQR = Q3 - Q1$ $\checkmark SF$ 1SF correct substitution	
$R381\ 000 = Q3 - R1\ 510\ 000 \tag{R381\ 000}$	
$\checkmark MA$ Q3 = R381 000 + R1 510 000 $\checkmark MA$ 1MA changing the subject the formula	et of
= R1 891 000 IMA adding values	
His statement is CORRECT / Sy bewering is	
1100000000000000000000000000000000000	
	1
TOTAL/ <i>TOTAAL</i>	(4) [27]

NOTE	S:	
	FION 1	
1.1.4		2/3 marks
	✓RT ✓MA	
	= R6/493,01 + R85,00	
<u>ل</u>	= R6,578,01	
	✓RT ✓MA	2/3 marks
	= R30 572,22 - R37 150,23	
	= R6 578,01	
	ΓΙΟΝ 2	
2.1.1	Amount were you are excused to pay tax.	2/2 marks
	Amount were you are not going to pay tax.	
2.2.2	Amount paid for a single (per) unit used / Bedrag betaal vir 'n enkele	1/2 marks
	(per) <u>eenheid</u> gebruik.	
2.2.4	Accept: 39 691c	
	$7 \times R9,848025 = R68,936175$	6/6 marks
	$6,5 \times R12,52672 = R81,42368$	
	$11,5 \times R17,788545 = R204,5682675$	
	$2 \times R20,98865 = R41,9773$	
	Total including VAT	
	= R396,9054225	
	= R396,9034223 = R396,91	
OUFS	<b>FION 3</b>	
3.1.1	Accept:	3/3 marks
5.1.1	=92-50	J/J IIIdIKS
	= 42	
3.1.4	Accept:	
5.1.4	The Physical Sciences marks are higher than the Mathematics marks.	
	The Thysical Sciences marks are inglier than the Mathematics marks.	
	All the learners passed Physical Sciences, but 10 learners (25%) did not	
	pass Mathematics.	
	The modion mark for Physical Sciences $(669)$ is higher than the modion	
	The median mark for Physical Sciences (66%) is higher than the median mark of Mathematics $(44\%)$	
2 2 1	mark of Mathematics (44%)	1/2
3.2.1	Name of Province:	1/2 marks
2.2.2	EC, KZN, MP and NC	2/2
3.2.2	Accept: 82,3	2/2 marks
3.2.4		2/3 marks
	67,2 68,4 75,0 76,2,(76,4 77,1) 77,8 77,9 80,2 82,2 ✓MA	
	Median / Mediaan = $76,75\%$ $\checkmark$ A	