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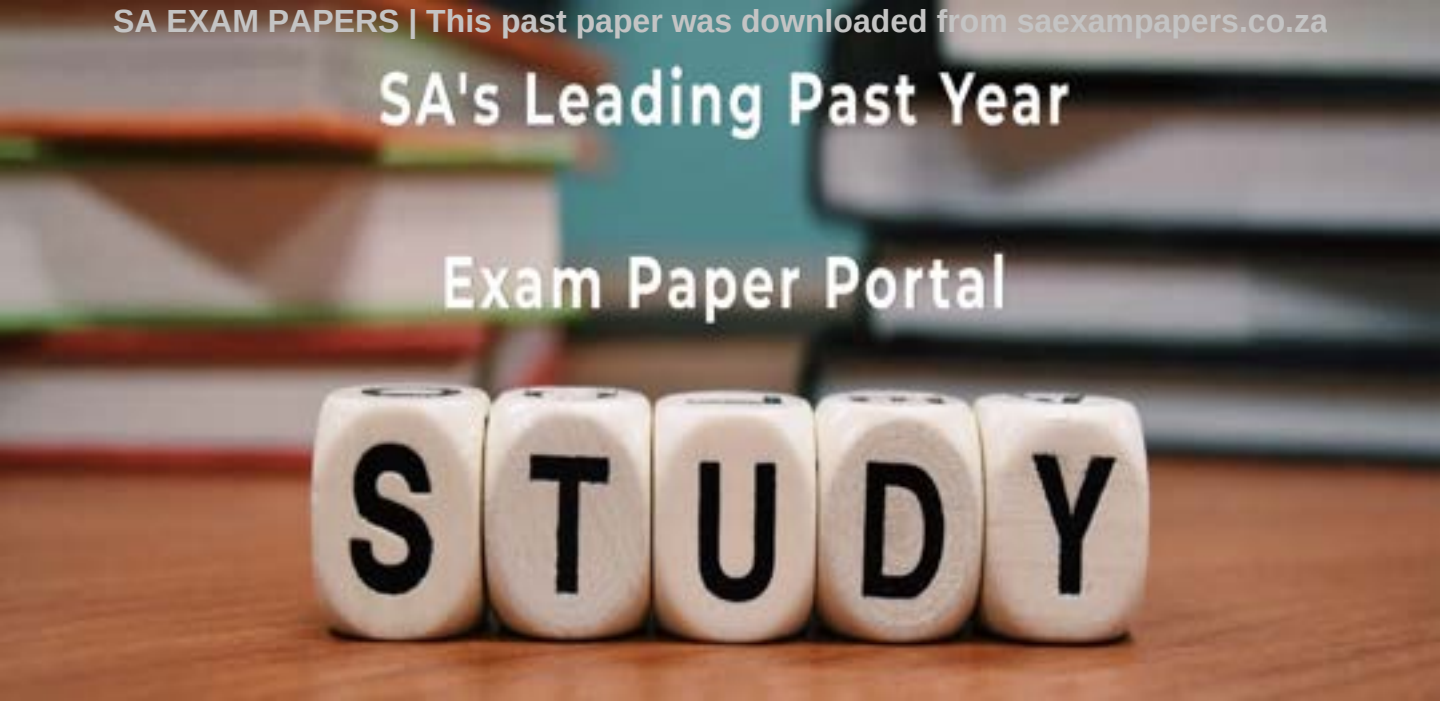

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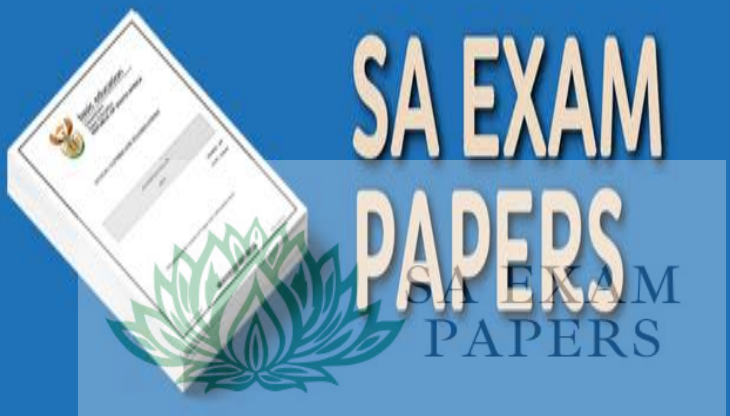

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SENIORSERTIFIKAAT-EKSAMEN/
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MATHEMATICAL LITERACY P1/
WISKUNDIGE GELETTERDHEID V1

MAY/JUNE/*MEI/JUNIE* 2024

MARKING GUIDELINES/*NASIENRIGLYNE*

MARKS/*PUNTE*: 150

Symbol/*Kode*	Explanation/*Verduideliking*
MA	Method with accuracy/*Metode met akkuraatheid*
CA	Consistent accuracy/*Volgehoue akkuraatheid*
A	Accuracy/*Akkuraatheid*
C	Conversion/*Herleiding*
S	Simplification/*Vereenvoudiging*
RT	Reading from a table/graph/document/diagram/*Lees vanaf tabel/grafiek/dokument/diagram*
SF	Correct substitution in a formula/*Korrekte vervanging in 'n formule*
O	Opinion/Explanation/*Opinie/Verduideliking*
P	Penalty, e.g. for no units, incorrect rounding off, etc./*Penalisasie, bv. vir geen eenhede, verkeerde afronding, ens.*
R	Rounding off/*Afronding*
NPR	No penalty for rounding/*Geen penalisasie vir afronding nie*
NPU	No penalty for omitting correct unit/*Geen penalisasie vir die uitlos van die korrekte eenheid nie.*
AO	Answer only/*Slegs antwoord*
MCA	Method with consistent accuracy/*Metode met volgehoue akkuraatheid*
RCA	Rounding consistent with accuracy/ *Afronding met volgehoue akkuraatheid*

These marking guidelines consist of 19 pages and 2 pages of notes.
Hierdie nasienriglyne bestaan uit 19 bladsye en 2 bladsye met notas.

APPROVED ON 11 May 2024	External Moderators (Question Paper)		Internal Moderator (Question Paper)	
	R.I. Singh	E.D. Cronje	L.R. de Waal	S.J. Tune

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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 [32 MARKS/*PUNTE*] ANSWER ONLY FULL MARKS			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
1.1.1	Kenya / Kenia ✓✓A	2A correct country (2)	D L1 E
1.1.2	Zambia / *Zambië* ✓✓A Malawi / *Malawi* ✓A	2A first correct country 1A second correct country (3)	D L1 E
1.1.3	Malawi / *Malawi* ✓✓A	2A correct country (2)	D L1 M
* 1.1.4	People for Studying Purposes / *Mense vir Studiedoeleindes* ✓RT = 83 + 98 + 475 + 83 ✓MA = 739 tourists ✓A	1RT correct values 1MA adding four correct values 1A simplification (3)	D L1 M

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
1.2.1	Price of 1 teabag / *Prys van 1 teesakkie* = R50,00 ÷ 40 ✓MA = R1,25 ✓A **OR / *OF*** ✓A = R1,25 × 40 ✓MA = R50	 1MA R50 divided by 40 1A simplification **OR / *OF*** 1A R1,25 1MA R1,25 multiplied by 40 (2)	F L1 E
* 1.2.2	✓RT 185 : 100 ✓MA 37 : 20 **OR / *OF*** 1 : 0,54 **OR / *OF*** 1,85 : 1 ✓A	 1RT correct values 1MA values in correct order 1A simplification (3)	F L1 M
1.2.3	Total of purchase / *Totaal van aankope* ✓RT = R185,00 + R100,00 + R16,00 ✓MA = R301,00 ✓A	 1RT correct values 1MA adding 3 correct values 1A simplification (3)	F L1 E
* 1.3.1	Namibia / *Namibië* ✓✓A	2A correct country (2)	F L1 E
* 1.3.2	Zambian Kwacha ✓✓A **OR / *OF*** Zambia / ZMW ✓✓A	 2A correct currency (2)	F L1 E
1.3.3	Malawian Kwacha = $\frac{1}{56,211355}$ ✓MA ✓RT = 0,017790 **OR / *OF*** Malawian Kwacha = $\frac{1}{0,017790}$ ✓MA = 56,211355 ✓RT	1MA dividing correct values 1RT reading correct value **OR / *OF*** 1MA dividing correct values 1RT calculating correct value **NPR** (2)	F L1 E

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
1.4.1	One million one hundred and five thousand six hundred and eighty five / *Een miljoen een honderd en vyf duisend ses honderd vyf en tagtig.* ✓✓A	2A answer in words (2)	D L1 E
1.4.2	P = 131 693 + 254 139 ✓MA = 385 832 ✓A **OR / *OF*** P = 64 943 + 66 694 + 56 +136 510 + 114 436 + 3 193 ✓MA = 385 832 ✓A	1MA adding correct values 1A simplification (2)	D L1 E
* 1.4.3	Increase / *Verhoging* = 359 686 – 131 693 ✓MA = 227 993 ✓A	1MA subtracting correct values 1A simplification (2)	D L1 E
1.4.4	✓A ✓A February / *Februarie* 2022 **OR / *OF*** Feb '22 **OR / *OF*** 02/2022	1A correct month 1A correct year (2)	D L1 E
		[32]	

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QUESTION/*VRAAG* 2 [31 MARKS/*PUNTE*]		**NPU FOR QUESTION 2.2**	
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
2.1.1	R2 000,00 ✓✓A	2A correct amount Accept (– R2 000,00) **NPU** (2)	F L1 E
* 2.1.2	For security reasons / *Vir veiligheidsredes* ✓✓A	2A reason (2)	F L4 E
2.1.3	Available money / *Geld beskikbaar* ✓MA ✓RT =R20 000 – (R5 656,22 + R6 020,00) ✓MA = R20 000 – R11 676,22 = R8 323,78 **OR / *OF*** ✓MA ✓RT = R20 000 – R5 656,22 – R6 020,00 ✓MA = R8 323,78 **OR / *OF*** ✓MA ✓RT = R5 656,22 + R6 020,00 + R8 323,78 = R20 000 ✓MA	1RT 2 correct values 1MA adding correct values 1MA subtracting from R20 000 **OR / *OF*** 1RT 2 correct values 1MA subtracting correct values 1MA subtracting from R20 000 **OR / *OF*** 1RT 2 correct values 1MA adding correct values 1MA getting to R20 000 (3)	F L2 M
* 2.1.4	Price per litre / *Prys per liter* ✓RT $= \frac{\text{R1 376,15}}{\text{54,1365 litres}}$ ✓MA = R25,42 ✓CA **OR / *OF*** ✓MA = R25,42/ℓ × 54,1365 ℓ ✓RT = R1 376,15 ✓CA	1RT correct rand value 1MA dividing by litres 1CA simplification **OR / *OF*** 1RT correct rand value 1MA multiplying 1CA simplification **AO** (3)	F L2 M

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
2.1.5	100% – 17,5% = 82,5% ✓MA Original price / *Oorspronklike prys* $= \frac{100}{82,5} \times$ R3 299,99 ✓RT ✓MA = R3 999,99 ✓CA **OR / *OF*** 100% – 17,5% = 82,5% = 0,825 ✓MA $= \frac{\text{R3 299,99}}{0,825}$ ✓RT ✓MA = R3 999,99 ✓CA	1MA calculate discounted percentage 1RT correct value 1MA percentage calculation 1CA simplification **OR / *OF*** 1MA calculate discounted percentage 1RT correct value 1MA divide by 0,825 1CA simplification **NPR** (4)	F L2 D
2.2.1	Bar sales and Functions / *Kroegverkope en Funksies* ✓✓RT	2RT correct item Accept: Bar sales (2)	F L1 E
2.2.2	Projected amount / *Geprojekteerde bedrag* $\frac{47}{23\,500} = \frac{49}{B}$ ✓MA ✓RT **B** = 1 151 500 ÷ 47 ✓MA = 24 500 ✓CA **OR / *OF*** $\frac{47}{23\,500} : \frac{49}{B}$ ✓MA ✓RT $\mathbf{B} = \frac{23\,500}{47} \times 49$ ✓MA = 500 × 49 = R24 500 ✓CA **OR / *OF***	1MA concept of ratio 1RT 23 500 1MA divide by 47 1CA simplification **OR / *OF*** 1MA concept of ratio 1RT 23 500 1MA divide by 47 1CA simplification **OR / *OF***	F L2 D

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
2.2.2	Total ratio / *Totale verhouding* = 47 + 49 = 96 ✓RT Total Income / *Totale Inkomste* $= 23500 \times \frac{96}{47}$ ✓MA = 48 000 **B** = 48 000 – 23 500 ✓MA = 24 500 ✓CA	1RT 23 500 1MA concept of ratio 1MA subtracting values 1CA simplification (4)	
2.2.3	Difference in income / *Verskil in inkomste* ✓RT = £(455 869 – 396 453) = £59 416 ✓CA % change / *verandering* $= \frac{59\,416}{396\,453} \times 100\%$ ✓MA ✓MA = 14,9868… % = 14,99 **OR** 15% ✓CA **OR / *OF*** % change / *verandering* $= \frac{\text{new price/}\textit{new prys} - \text{old price/}\textit{ou prys}}{\text{old price/ }\textit{ou prys}} \times 100\%$ ✓RT $= \frac{455\,869 - 396\,453}{396\,453} \times 100\%$ ✓MA ✓MA ✓CA $= \frac{59\,416}{396\,453} \times 100$ = 14,9868 ... %= 14,99% **OR/OF** 15% ✓CA **OR / *OF*** Current percentage / *Huidige persentasie* ✓RT $= \frac{455\,869}{396\,453} \times 100\%$ ✓MA = 114,9937067% ✓A Difference in % income / *Verskil in % inkomste* = 114,9937067% – 100% ✓MCA = 14,99% **OR/OF** 15% ✓CA	1RT correct values 1CA difference 1MA % calculation 1MA correct denominator 1CA simplification **OR / *OF*** 1RT correct values 1MA % calculation 1MA correct denominator 1CA correct difference 1CA simplification **OR / *OF*** 1RT correct values 1MA % calculation 1A correct percentage 1MCA correct difference 1CA simplification (5)	F L3 M

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
2.2.4	Year 1's inflation / *Jaar 1 se inflasie*: $= \frac{1,82}{100} \times £257\,460$ ✓RT $= £4\,685,772$ After year 1's inflation / *Na jaar 1 se inflasie*: = £257 460 + £4 685,772 ✓MCA = £262 145,77 ✓CA Year 2's inflation / *Jaar 2 se inflasie*: $= \frac{2}{100} \times £262\,145,77$ = £5 242£,9154 After year 2's inflation / *Na jaar 2 se inflasie*: = £262 145,77 + £5 242£,9154 = £267 388,69 ✓CA Difference / *Verskil* = £284 000 – £267 388,69 ✓MCA = £16 611,31 His statement is VALID / Sy bewering is GELDIG. ✓O **OR / *OF***	1RT correct value 1MCA adding correct values 1CA simplification 1CA amount year 2 1MCA subtracting values 1O conclusion **OR / *OF***	F L4 D

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
2.2.4	After year 1's inflation / *Na jaar 1 se inflasie*: ✓MA ✓RT $\frac{101,82}{100} \times £257\,460$ = × 1,0182 = £262 145,77 ✓CA After year 2's inflation / *Na jaar 2 se inflasie*: $\frac{102}{100} \times £262\,145,77$ = £267 388,69 ✓CA Difference / *Verskil* = £284 000 – £267 388,69 ✓MCA = £16 611,31 His statement is VALID / *Sy bewering is GELDIG.* ✓O	1RT correct value 1MA percentage increase 1CA simplification 1CA amount year 2 1MCA subtracting values 1O conclusion (6)	
		[31]	

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QUESTION/*VRAAG* 3 [30 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
3.1.1	29 ✓✓A	2A correct number (2)	D L1 E
3.1.2	30 ✓✓A	2A mode (2)	D L2 E
3.1.3	✓RT **D** $= \frac{3}{5} \times 40$ ✓MA = 24 periods ✓CA **OR / *OF*** $33 = \frac{3 + D + 26 + 30 + 32 \ldots}{29}$ $33 = \frac{933 + D}{29}$ ✓RT $33 \times 29 = 933 + \mathbf{D}$ ✓MA **D** = 957 – 933 **D** = 24 ✓CA **OR / *OF*** ✓RT **D** = 0,6 × 40 ✓MA **D** = 24 periods ✓CA	1RT correct fraction 1MA multiplying with 40 1CA simplification **OR / *OF*** 1RT correct fraction 1MA changing the subject of the formula 1CA simplification **OR / *OF*** 1RT correct fraction 1MA multiplying with 40 1CA simplification **AO** (3)	D L2 M

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
3.1.4	Median / *Mediaan* = 35 ✓✓A The median has half the staff above and half the staff below. ✓O *Die mediaan toon die helfte van die personeel bo en helfte van die personeel onder.* **OR / *OF*** The outliers affect the calculation of the mean, hence it is not a reliable average. *Die uitskieters affekteer die berekenining van die gemiddels, daarom is dit nie 'n betroubare punt nie.* ✓O **OR / *OF*** More than 58,62% of staff has 35 periods or more. ✓O *Meer as 58,62% van die personeel het 35 periodes of meer.*	2A median 1O reason (3)	D L4 E
3.1.5	Probability / *Waarskynlikheid* $= \frac{16}{21}$ ✓A ✓A	1A numerator 1A denominator (2)	P L2 E
* 3.2.1 (a)	Scatter plot / *Spreidingsdiagram* ✓✓A	2A correct graph (2)	D L1 E
3.2.1 (b)	Range / *Omvang* ✓RT ✓RT = 81 − 15 = 66 ✓CA	1RT highest 1RT lowest 1CA simplification **AO** (3)	D L2 E
* 3.2.1 (c)	Learner / *Leerder* **H** ✓✓A The marks for both Task 1 and Task 2 are <u>much</u> lower compared to the other learners / *Beide Taak 1 en Taak 2 se punte is <u>heelwat</u> laer in vergelyking met die ander leerders.* ✓✓O The learner failed while all the other learners passed / *Die leerder het gedruip terwyl al die ander leerders geslaag het.*	2A correct learner 2O correct reason (4)	D L4 D

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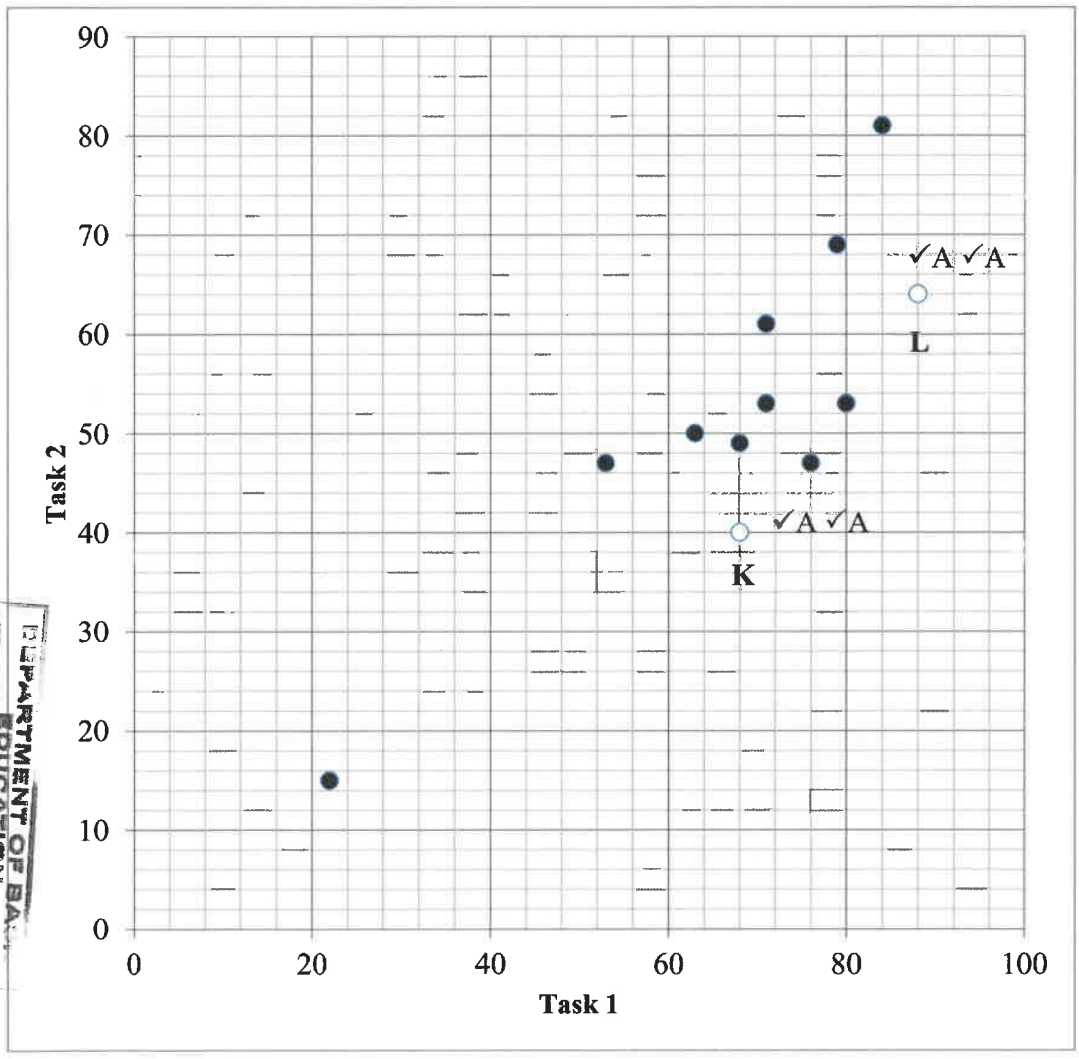
Q/V	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
3.2.2	Mean = $\frac{53+69+53+49+50+47+61+15+47+81}{10}$ ✓MA $= \frac{525}{10}$ ✓CA $= 52,5$ ✓CA Difference / *Verskil* $= 66,7 - 52,5$ $= 14,2$ ✓CA VALID / *GELDIG* ✓O	1MA correct concept of mean 1CA correct adding of values 1CA mean 1CA simplification 1O conclusion (5)	D L4 M
* 3.2.3	 2A first point plotted (68;40) 2A second point plotted (88;64) (4)		D L2 M
		[30]	

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QUESTION/*VRAAG* 4 [26 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
* 4.1.1	Total cost before discount /*Totale koste voor afslag* ✓MA ✓MA = (R149,95 × 16,7) + (R99,99 × 13) = R2 504,165 + R1 299,87 ✓MCA = R3 804,04 ✓CA	1MA multiply correct values 1MA multiply correct values 1MCA adding cost 1CA simplification	F L3 M
	Discount amount / *Afslag bedrag* $=\frac{15}{100} \times$ R3 804,04 ✓MCA = R570,61 ✓CA	1MCA calculating 15% 1CA simplification	
	Total amount /*Totale koste* = R3 804,04 – R570,61 = R3 233,43 ✓CA $= \frac{85}{100} \times$ R3 804,04	1CA simplification	
	OR / *OF*	**OR / *OF***	
	Discounted chops / *Afslag tjops* ✓MA ✓MCA $= R149,95 \times 16,7 \times \frac{85}{100} = R2\,128,54$ ✓CA	1MA multiply correct values 1MCA calculating 85% 1CA simplification	
	Discounted boerewors / *Afslag boerewors* ✓MA ✓MCA $= R99,99 \times 13 \times \frac{85}{100} = R1\,104,89$ ✓CA	1MA multiply correct values 1MCA calculating 85% 1CA simplification	
	Total amount / *Totale bedrag* = R2 128,54 + R1 104,89 = R3 233,43 ✓CA	1CA simplification	
	OR / *OF*	**OR / *OF***	

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 4.1.1	Total cost before discount /*Totale koste voor afslag* ✓MA ✓MA = (R149,95 × 16,7) + (R99,99 × 13) = R2 504,165 + R1 299,87 ✓MCA = R3 804,04 ✓CA Total amount /*Totale koste* ✓MCA = R3 804 ,04 – (15% × R3 804,04) = R3 804,04 – R570,606 ✓MCA = R3 233, 43 ✓CA	1MA multiply correct values 1MA multiply correct values 1MCA adding cost 1CA simplification 1MCA calculating 15% 1MCA subtracting correct values 1CA simplification (7)	
4.1.2	Total cost / *Totale koste* ✓MCA = R3 233,43 + R850 ✓A = R4 083,43 Cost of 1 plate / *Koste vir 1 bord* = R4 083,43 ÷ 200 ✓MCA = R20,42 ✓CA **OR / *OF*** Cost of meat for 1 plate / *Koste van vleis vir 1 bord* ✓MCA = $\frac{\text{R3 233,43}}{200}$ ✓MCA = R16,16715 Cost of salad, relish etc for 1 plate / *Koste van slaai, sous ens vir een bord* = $\frac{\text{R850}}{200}$ = R4,25 ✓A Total cost / *Totale koste* = R16,16715 + R4,25 = R20,42 ✓CA	**CA from Question 4.1.1** 1MCA adding value from Q 4.1.1 1A adding R850 1MCA correct value ÷ 200 1CA simplification Accept: R20,40 **OR / *OF*** 1MCA dividing value from Q 4.1.1 1MCA correct value ÷ 200 1A R4,25 1CA simplification Accept: R20,40 (4)	F L2 M

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Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.1.3		**CA from Question 4.1.2**	F L3 D
	Profit per plate / *Wins per bord* = R35,00 – R20,42 ✓MA = R14,58 ✓CA	1MA subtracting values 1CA simplification	
	Number of plates / *Getal borde* = R2 850,00 ÷ R14,58 ✓MCA = 195,47 ✓CA	1MCA dividing by profit 1CA simplification	
	Total number of plates / *Totale getal borde* = 200 + 195,47 = 395,47 ✓CA = 400 ✓R	1CA total number of plates 1R correct rounding	
	OR / *OF*	**OR / *OF***	
	Profit per plate / *Wins per bord* ✓MA $= \frac{(200 \times R35) - R4083,43}{200}$ $= \frac{R2916,57}{200}$ = R14,58 ✓CA	1MA subtracting values 1CA simplification	
	Number of plates / *Aantal borde* $= \frac{R2\,850}{R14,58}$ ✓MCA =195,47 ✓CA	1MCA dividing by profit 1CA simplification	
	Total number of plates / *Totale aantal borde* = 200 + 195,47 = 395,47 ✓CA = 400 ✓R	1CA total number of plates 1R correct rounding (6)	
4.2.1	15% ✓✓RT	2RT correct value Accept: 14,5 – 15,2 (2)	P L1 E

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Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
* 4.2.2	Probability / *Waarskynlikheid* $= \frac{4\ 052\ 572}{43\ 378\ 959}$ ✓A ✓A = 0,0934… ✓CA = 0,093 **OR** 9,342% ✓R	 1A numerator 1A denominator 1CA simplification 1R rounding (4)	P L2 M
4.2.3	25 – 34 age group / *ouderdomsgroep* ✓✓A The largest population is in this group / *Die grootste bevolking is in die groep.* ✓O	2A correct group 1O reason (3)	D L4 M
		[26]	

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QUESTION/*VRAAG* 5 [31 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
* 5.1.1	2 / TWO / *TWEE* ✓✓A	2A number of rebates (2)	F L1 E
5.1.2	Tax before rebates / *Belasting voor kortings* ✓RT 251 258 + 41% of taxable income above 857 900 ✓SF = R251 258 + 41% (R981 500 − R857 900) = R251 258 + 41% (R123 600) = R251 258 + R50 676 = R301 934 ✓CA Tax after rebates / *Belasting na kortings* = R301 934 − R17 235 − R9 444 ✓MCA = R275 255 ✓CA Monthly Tax / *Maandelikse belasting* $= \frac{R275\ 255}{12}$ ✓MCA = R22 937,92 ✓CA	**CA from Question 5.1.1** 1RT correct bracket 1SF substitute R981 500 1CA amount before rebates 1MCA subtracting rebates 1CA simplification 1MCA dividing by 12 1CA simplification (7)	F L3 M
5.2.1	Interest rate is the <u>percentage</u> of the total value you have to pay extra for taking the loan. *Rentekoers is die <u>persentasie</u> van die totale waarde wat jy ekstra moet betaal vir die uitneem van die lening.* **OR / *OF*** ✓✓A Interest rate is a <u>percentage</u> charged on the loan taken to buy a motor vehicle / *Rentekoers is 'n <u>persentasie</u> gehef op die lening uitgeneem om die voertuig te koop.*	2A correct definition (2)	F L1 E
5.2.2	Difference / *Verskil* = R6 115,47 − R5 498,19 ✓MA = R617,28 ✓CA	1MA subtracting correct values 1CA simplification **AO** (2)	F L1 E

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
5.2.3	✓SF **X** = (R6 115,47 × 6 × 12) – R300 000 ✓A = R440 313,84 – R300 000 = R140 313,84 ✓CA	1SF substitution in bracket 1A subtracting R300 000 1CA simplification **AO** (3)	F L2 E
* 5.2.4	Balloon payment / *Ballonpaaiement* ✓RT = 20% × R300 000 = R60 000 ✓A ✓MA **Y** = (R5 498,19 × 72) + R60 000 ✓MCA = R455 869,68 ✓CA	**CA from Question 5.2.3 – R334 000 only** 1RT correct values 1A simplification 1MA correct value × 72 1MCA adding balloon payment 1CA simplification (5)	F L3 M
* 5.2.5	The vehicle serves as security for the loan / *Die voertuig dien as sekuriteit vir die lening.* ✓✓O	2O reason (2)	F L4 E

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
5.3.1	24 ✓✓RT	2RT correct answer **NPU** (2)	D L2 E
5.3.2	Interquartile Range / *Interkwartielomvang* Electrical / *Elektries* ✓RT = 29% – 24% ✓MA = 5% ✓CA Plug-in hybrid / *Inprophibried* = 24% – 6% = 18% ✓CA Quarter of Plug-in / *Kwart van 'n inprop* ✓CA $= \frac{1}{4} \times 18\% = 4{,}5\% \neq 5\%$ **OR / *OF*** $= \frac{5}{18} = \frac{1}{3{,}6} \neq \frac{1}{4}$ ✓CA **OR / *OF*** $= \frac{5}{18} \times 100 = 27{,}8\%$ ✓CA INVALID / *NIE GELDIG NIE* ✓O **OR** Electric × 4 = 5% × 4 = 20% ≠ 18%	**CA from Question 5.3.1** 1RT using correct values (28,8 – 29,2) 1MA concept of IQR 1CA simplification(4,8 – 5,2) 1CA simplification 1CA simplification 1O conclusion (6)	D L4 D
		[31]	
		TOTAL/*TOTAAL*: 150	

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NOTES:		
QUESTION 1		
1.1.4	1 value (83) omitted = 656	2/3 marks
	Number of people = 264 **OR** = 641	1/3 marks
1.2.2	$= \frac{185}{100}$ $= \frac{37}{20}$	3/3 marks
	Reverse order 100 :185 = 20 : 37 **OR** 1 : 1,85 **OR** 0,54 : 1	2/3 marks
	Unit still included in the answer	2/3 marks
1.3.1	Namibian Dollar / Namibiëse Dollar	1/2 marks
	Namibian / Namibiëse	2/2 marks
1.3.2	0,971016 / 1,029850	1/2 marks
1.4.3	= 399 936 – 131 963 = 268 243 = 359 686 – 399 936 = – 40 250 Increase / *Verhoging* = 268 243 – 40 250 ✓MA = 227 993 ✓A	2/2 marks
	Adding correct values (491 379)	1/2 marks
	Swopped = – 227 993	1/2 marks
QUESTION 2		
2.1.2	So that the account is not hacked. To avoid fraud. For confidentiality. To comply with the POPI act.	2/2 marks
2.1.4	Answer = 25,42ℓ Wrong unit	2/3 marks
QUESTION 3		
3.2.1 (a)	Scattered plot / *Verspreidingsdiagram / Spreidings grafiek*	2/2 marks
3.2.1 (c)	15 and 22	1/2 marks
3.2.3	✓A ✓A 68 ; 40 ✓A ✓A 88 ; 64	4/4 marks

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QUESTION 4		
4.1.1	Discounted chops / Afslag tjops $= R127,46 \times 16,7$ $= R2\ 128,58$ Discounted boerewors / Afslag boerewors $= R84,99 \times 13$ $= R1\ 104,87$ Total amount / *Totale bedrag* = R2 128,58 + R1 104,87 = R3 233,45	6/7 marks
4.2.2	Invert = 10,704 **OR** 1070,406% – rounding	1/4 marks
QUESTION 5		
5.1.1	Writing the rebates: 17 235 and 9 444	1/2 marks
	Writing the rebates: primary and secondary	1/2 marks
5.2.4	If you follow the trend: Y = R156 494,00 + R300 000 = R 456 494,00	5/5 marks
5.2.5	The vehicle can be repossessed to cover the debt / motor vehicle is an asset. The risk is higher for the bank with a personal loan. The risk is lower for the bank with a motor vehicle loan.	2/2 marks

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