

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS SENIORSERTIFIKAAT-EKSAMEN/ NASIONALE SENIORSERTIFIKAAT-EKSAMEN

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
0	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. *Hierdie nasienriglyne bestaan uit 19 bladsye.*

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.

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

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.2.1	Price of 1 teabag / Prys van 1 teesakkie		F L1 E
	$= R50,00 \div 40 \checkmark MA$ = R1,25 $\checkmark A$	1MA R50 divided by 40 1A simplification	L
	OR / OF	OR / OF	
	$ \begin{array}{l} \checkmark A \\ = R1,25 \times 40 \checkmark MA \\ = R50 \end{array} $	1A R1,25 1MA R1,25 multiplied by 40 (2)	
* 1.2.2	✓RT 185:100 ✓MA 37:20 OR / <i>OF</i> 1:0,54 OR / <i>OF</i> 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		F L1 E
	OR / OF	2A correct currency	
	Zambia / ZMW ✓✓ A	(2)	
1.3.3	Malawian Kwacha = $\frac{1 \checkmark MA}{56,211355} \checkmark RT$ $= 0,017790$	1MA dividing correct values 1RT reading correct value	F L1 E
	OR / OF	OR / OF	
	Malawian Kwacha = $\frac{1 \checkmark MA}{0,017790}$ $= 56,211355 \checkmark RT$	1MA dividing correct values 1RT calculating correct value NPR	
		(2)	

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	$P = 131\ 693 + 254\ 139\ \checkmark MA$ = 385 832 $\checkmark A$	(=)	D L1 E
	OR / OF	1MA adding correct values	
	$P = 64\ 943 + 66\ 694 + 56 + 136\ 510 + 114\ 436 + 3\ 193$ \checkmark MA	1A simplification	
	= 385 832 ✓A	(2)	
* 1.4.3	Increase / Verhoging		D L1 E
	= 359 686 − 131 693 ✓MA	1MA subtracting correct values	
	= 227 993 ✓A	1A simplification (2)	
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]	

	TION/VRAAG 2 [31 MARKS/PUNTE]	NPU FOR QUESTION 2.2	T
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
*			F
2.1.2	For security reasons / Vir veiligheidsredes ✓ ✓ A	2A reason (2)	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	1RT 2 correct values 1MA adding correct values 1MA subtracting from R20 000 OR / OF	F L2 M
	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 subtracting correct values 1MA subtracting from R20 000 OR / OF 1RT 2 correct values 1MA adding correct values 1MA getting to R20 000 (3)	
* 2.1.4	Price per litre / Prys per liter $ \sqrt{RT} $ $ = \frac{R1 376,15}{54,1365 \text{ litres}} \checkmark MA $ $ = R25,42 \checkmark CA $	1RT correct rand value 1MA dividing by litres 1CA simplification OR / OF	F L2 M
	$ \begin{array}{l} \mathbf{OR} / \mathbf{OF} \\ \checkmark \mathbf{MA} \\ = \mathbf{R25},42/\ell \times 54,1365 \ell \checkmark \mathbf{RT} \end{array} $	1RT correct rand value 1MA multiplying	
	= R1 376,15 ✓CA	1CA simplification AO (3)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.1.5	$100\% - 17,5\% = 82,5\% \checkmark MA$ Original price / <i>Oorspronklike prys</i> $= \frac{100}{82,5} \times R3 \ 299,99 \checkmark MA$	1MA calculate discounted percentage 1RT correct value 1MA percentage calculation	F L2 D
	= R3 999,99 ✓CA OR / OF ✓MA $100\% - 17,5\% = 82,5\% = 0,825$ ✓RT $= \frac{R3 299,99}{0,825}$ ✓MA	1CA simplification OR / OF 1MA calculate discounted percentage 1RT correct value 1MA divide by 0,825	
	= R3 999,99 ✓CA	1CA simplification NPR (4)	
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}{23500} = \frac{49}{B} \checkmark MA $ $ \checkmark RT $ $ \mathbf{B} = 1151500 \div 47 \checkmark MA $ $ = 24500 \checkmark CA $ $ \mathbf{OR} / \mathbf{OF} $	1MA concept of ratio 1RT 23 500 1MA divide by 47 1CA simplification OR / OF	F L2 D
	$\frac{47}{23500} : \frac{49}{B} \checkmark MA$ $\checkmark RT$ $\mathbf{B} = \frac{23500}{47} \times 49$ $= 500 \times 49$ $= R24500 \checkmark CA$	1MA concept of ratio 1RT 23 500 1MA divide by 47 1CA simplification	
	OR / OF	OR / OF	

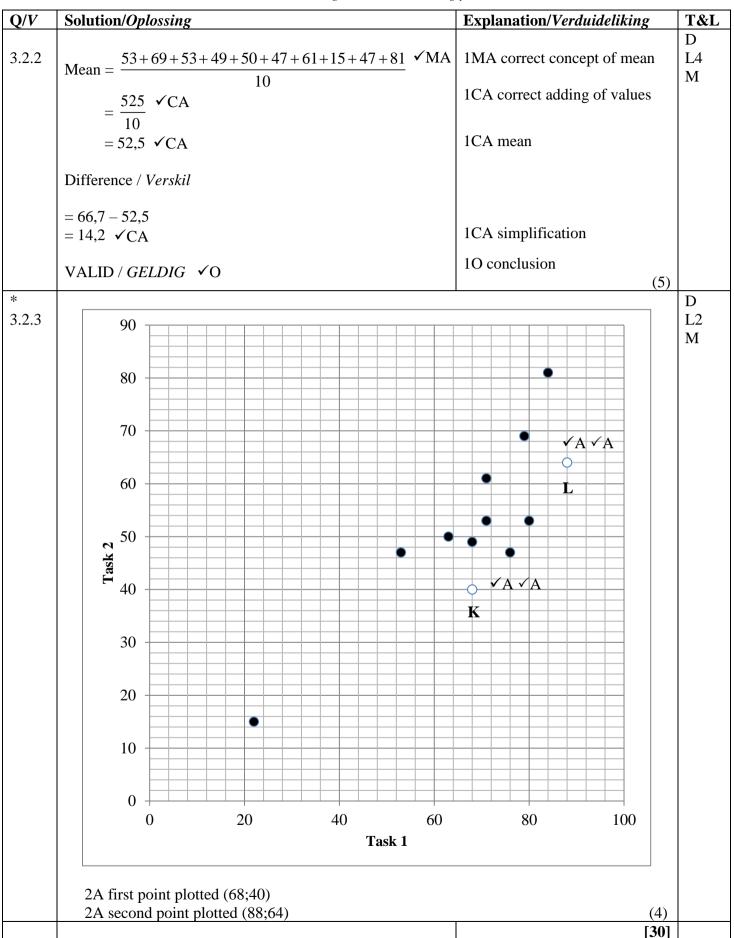
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.2.2	Total ratio / <i>Totale verhouding</i> = 47 + 49		
	$= 96$ $\checkmark RT$ Total Income / Totale Inkomste = $23500 \times \frac{96}{47} \checkmark MA$ $= 48 000$	1RT 23 500 1MA concept of ratio	
	$\mathbf{B} = 48\ 000 - 23\ 500 \ \checkmark \text{MA}$ $= 24\ 500 \ \checkmark \text{CA}$	1MA subtracting values 1CA simplification (4)	
2.2.3	Difference in income / Verskil in inkomste \checkmark RT = £(455 869 – 396 453) = £59 416 \checkmark CA % change / verandering = $\frac{59 416}{396 453} \times 100\%$ \checkmark MA = 14,9868% = 14,99 OR 15%	1RT correct values 1CA difference 1MA % calculation 1MA correct denominator 1CA simplification	F L3 M
	OR/OF	OR/OF	
	% change / verandering	34 7 61	
	$= \frac{\text{new price/new prys - old price/ou prys}}{\text{old price/ou prys}} \times 100\%$ $= \frac{455869 - 396453}{396453 \checkmark \text{MA}} \times 100\% \checkmark \text{MA}$ $\checkmark \text{CA}$ $= \frac{59416}{396453} \times 100$	1RT correct values 1MA % calculation 1MA correct denominator 1CA correct difference 1CA simplification	
	= 14,9868 %= 14,99% OR/OF 15% ✓CA	OR/OF	
	OR/OF		
	Current percentage / Huidige persentasie $ \checkmark RT $ $ = \frac{455869}{396453} \times 100\% \checkmark MA $ $ = 114,9937067\% \checkmark A $	1RT correct values 1MA % calculation 1A correct percentage	
	Difference in % income / Verskil in % inkomste = 114,9937067% − 100% ✓MCA = 14,99% OR/OF 15% ✓CA	1MCA correct difference 1CA simplification (5)	

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

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.2.4)	After year 1's inflation / Na jaar 1 se inflasie: \checkmark MA \checkmark RT $\frac{101,82}{100} \times £257460$ $= \times 1,0182$	1RT correct value 1MA percentage increase	
	= £262 145,77 ✓CA	1CA simplification	
	After year 2's inflation / Na jaar 2 se inflasie:		
	$\frac{102}{100}$ ×£262 145,77		
	= £267 388,69 ✓CA	1CA amount year 2	
	Difference / Verskil = £284 000 − £267 388,69 ✓MCA = £16 611,31	1MCA subtracting values	
	His statement is VALID / Sy bewering is GELDIG. ✓O	10 conclusion (6)	
		[31]	

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 \text{ periods } \checkmarkCA $	1RT correct fraction 1MA multiplying with 40 1CA simplification	D L2 M
	OR / OF	OR / OF	
	$33 = \frac{3 + D + 26 + 30 + 32 \dots}{29}$		
	$33 = \frac{933 + D}{29} \checkmark RT$	1RT correct fraction	
	$33 \times 29 = 933 + \mathbf{D} \checkmark \mathbf{MA}$	1MA changing the subject of the formula	
	$\mathbf{D} = 957 - 933$		
	D = 24 ✓CA	1CA simplification	
	OR / OF	OR / OF	
	$\mathbf{D} = 0.6 \times 40 \checkmark \text{MA}$ $\mathbf{D} = 24 \text{ periods } \checkmark \text{CA}$	1RT correct fraction 1MA multiplying with 40 1CA simplification AO	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.1.4	Median / Mediaan = 35 ✓✓A	2A median	D L4 E
	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.		L
	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.	1O reason	
	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.	(3)	
3.1.5	Probability / Waarskynlikheid		P L2 E
	$= \frac{16}{21} \checkmark A$	1A numerator 1A denominator (2)	
* 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	2A correct learner	D L4 D
	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. VVO The learner failed while all the other learners passed / Die leerder het gedruip terwyl al die ander leerders geslaag het.	2O correct reason (4)	



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

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
*	1 0		
4.1.1	Total cost before discount /Totale koste voor afslag		
	✓MA ✓MA	1MA multiply correct values	
	$= (R149,95 \times 16,7) + (R99,99 \times 13)$	1MA multiply correct values	
	$= R2 504,165 + R1 299,87 \checkmark MCA$	1MCA adding cost	
	= R3 804,04 ✓CA	1CA simplification	
	Total amount /Totale koste		
	✓MCA	1MCA calculating 15%	
	$= R3 804,04 - (15\% \times R3 804,04)$		
	= R3 804,04 – R570,606 ✓ MCA	1MCA subtracting correct	
		values	
	= R3 233, 43 ✓CA	1CA simplification	
		(7)	
		CA from Question 4.1.1	F
4.1.2	Total cost / Totale koste	1MCA adding value from	L2
	✓MCA	Q 4.1.1	M
	= R3 233,43 + R850 ✓ A	1A adding R850	
	$= R4 \ 083,43$		
	Cost of 1 plate / Koste vir 1 bord		
	= R4 083,43 ÷ 200 ✓ MCA	1MCA correct value ÷ 200	
	$= R20,42 \checkmark CA$	1CA simplification	
	07/07	Accept: R20,40	
	OR / OF		
	Cost of most for 1 plats / Vanta van alsiania 1 km d	OR / OF	
	Cost of meat for 1 plate / Koste van vleis vir 1 bord	13.604 11 11 1 6	
	✓MCA P2 222 42	1MCA dividing value from	
	$=\frac{R3\ 233,43}{202}$	Q 4.1.1	
	200 ✓MCA	1MCA correct value ÷ 200	
	= R16,16715		
	Cost of soled reliab eta for 1 plate / Vosta van algai gove and		
	Cost of salad, relish etc for 1 plate / Koste van slaai, sous ens vir een bord		
	vir een vora		
	R850		
	$=\frac{8830}{200}$		
		1A R4,25	
	= R4,25 ✓A	11111,40	
	Total cost / Totale koste		
	D1616715 D105		
	= R16,16715 + R4,25	1CA simplification	
	= R20,42 ✓CA	1CA simplification	
		Accept: R20,40	
I		(4)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
		CA from Question 4.1.2	F
4.1.3	Profit per plate / Wins per bord		L3
	(2.5.)		D
	$= R35,00 - R20,42 \checkmark MA$	1MA subtracting values	
	= R14,58 ✓CA	1CA simplification	
	Number of plotes / Cetal hands		
	Number of plates / Getal borde = R2 850,00 ÷ R14,58 ✓ MCA	1MCA dividing by profit	
	= 195,47 ✓CA	1CA simplification	
		1C/1 simplification	
	Total number of plates / Totale getal borde		
	= 200 + 195,47		
	= 395,47 ✓CA	1CA total number of plates	
	= 400 ✓ R	1R correct rounding	
	OR / OF	OR / OF	
	Profit per plate / Wins per bord ✓MA		
	$= \frac{(200 \times R35) - R4083,43}{200}$	1MA subtracting values	
	200		
	$=\frac{R2916,57}{200}$		
	= R14,58 ✓CA		
	- K14,36 * CA	1CA simplification	
	Number of plates / Aantal borde		
	$= \frac{R2850}{R14,58} \checkmark MCA$	1MCA dividing by profit	
		Tivieri dividing by profit	
	=195,47 ✓CA	1CA simplification	
	Total number of plates / Totale aantal borde		
	= 200 + 195,47		
	= 395,47 ✓CA	1CA total number of plates	
	= 400 ✓ R	1R correct rounding	
		(6)	<u> </u>
421	150/ //DT	2DT compet velve	P
4.2.1	15% ✓✓RT	2RT correct value	L1 E
		Accept: 14,5 – 15,2 (2)	L
<u> </u>			

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
*			P
4.2.2	Probability / Waarskynlikheid		L2
			M
	$= \frac{4\ 052\ 572}{43\ 378\ 959} \checkmark A$	1A numerator	
	- 43 378 959 ✓A	1A denominator	
	= 0,0934 ✓CA	1CA simplification	
	= 0,093 OR 9,342% ✓R	1R rounding	
	3,020 0 = 2,70 1= 10	(4)	
			D
4.2.3	25 – 34 age group / ouderdomsgroep ✓✓A	2A correct group	L4
			M
	The largest population is in this group / Die grootste		
	bevolking is in die groep. ✓O	10 reason	
		(3)	
		[26]	

QUES	TION/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)	CA from Question 5.1.1 1RT correct bracket 1SF substitute R981 500	F L3 M
	= R251 258 + R50 676 = R301 934 ✓ CA Tax after rebates / Belasting na kortings	1CA amount before rebates	
	= R301 934 − R17 235 − R9 444 ✓ MCA = R275 255 ✓ CA Monthly Tax / Maandelikse belasting R275 255	1MCA subtracting rebates 1CA simplification	
	$= \frac{12.7 \cdot 25.5}{12} \checkmark MCA$	1MCA dividing by 12	
	= R22 937,92 ✓CA	1CA simplification (7)	
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.		F L1 E
	OR / OF ✓✓A	2A correct definition	
	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.	(2)	
5.2.2	Difference / Verskil		F L1 E
	= R6 115,47 − R5 498,19 ✓MA	1MA subtracting correct values	
	= R617,28 ✓CA	1CA simplification AO (2)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
5.2.3	\checkmark SF X = (R6 115,47 × 6 × 12) − R300 000 \checkmark A	1SF substitution in bracket 1A subtracting R300 000	F L2 E
	= R440 313,84 - R300 000		
	= R140 313,84 ✓CA	1CA simplification AO (3)	
*		CA from Question 5.2.3 –	F
5.2.4	Balloon payment / Ballonpaaiement	R334 000 only	L3
	√RT	1RT correct values	M
	$=20\% \times R300\ 000$	1A simplification	
	$= R60\ 000\ \checkmark A$	13.64	
	✓MA V (D5 409 10 : : 72) : B (0 000	1MA correct value × 72	
	$Y = (R5 498, 19 \times 72) + R60 000 \checkmark MCA$	1MCA adding balloon	
	= R455 869,68 ✓CA	payment 1CA simplification	
	21.22 337,00	(5)	
*		Ì	F
5.2.5	The vehicle serves as <u>security</u> for the loan / $\checkmark\checkmark$ 0	20 2000	L4
	Die voertuig dien as <u>sekuriteit</u> vir die lening.	2O reason (2)	Е

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	1RT using correct values (28,8 - 29,2) 1MA concept of IQR 1CA simplification(4,8 - 5,2)	D L4 D
	$= 24\% - 6\%$ $= 18\% \checkmark CA$ Quarter of Plug-in / Kwart van 'n inprop $\stackrel{\checkmark}{=} \frac{1}{4} \times 18\% = 4,5\% \neq 5\%$ OR / OF OR / OF $OR = \frac{1}{4} \times 18\%$ OR / OF $OR = \frac{1}{4} \times 18\%$ OR / OF	1CA simplification 1CA simplification	
	$=\frac{5}{18}=\frac{1}{3,6}\neq\frac{1}{4}$ \checkmark CA		
	OR / OF		
	$= \frac{5}{18} \times 100 = 27,8\% \ \checkmark \text{CA}$		
	INVALID / NIE GELDIG NIE ✓O	10 conclusion (6)	
		[31]	
		TOTAL/TOTAAL: 150	