

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

2023

MARKING GUIDELINES/NASIENRIGLYNE

MARKS/PUNTE: 150

Symbol/Kode	Explanation/Verduideliking
M	Method/Metode
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
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.
- 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 he loses one mark.
- A conclusion mark can only be given if relevant calculations precedes it.

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.
- 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 verloor hy een punt.
- 'n Gevolgtrekkingspunt kan slegs gegee word indien relevante berekeninge dit voorgaan.

QUESTION/VRAAG 1 [31 MARKS/PUNTE] ANSWER ONLY FULL MARKS			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
* 1.1.1	✓A ✓A Hire-purchase / online credit (Mobicred) / Cash price.		F L1
	OR/OF	1A first method 1A second method	
	Huurkoop / aanlyn krediet (Mobicred) / Kontant prys. (Any two/Enige twee)	(2)	
*		(2)	F
1.1.2	You buy the generator at a monthly installment. Only after your final installment you own the generator. Jy koop die generator teen 'n maandelikse paaiement.		L1
	Slegs na die laaste paaiement het jy die generator ✓ ✓ A gekoop.	2A correct explanation (2)	
1.1.3	14,75% ✓✓RT	2RT correct percentage (2)	F L1
1.1.4	Total cost / totale koste ✓MA		F L1
	$R1\ 006 \times 12 = R12\ 072 \ \checkmark A$	1MA multiply by 12 1A simplification (2)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.5	Discount / afslag $= R10 999 \times \frac{12,5}{100} \checkmark MA$	1MA calculating 12,5% 1A amount discount	F L1
	$= R1 \ 374,88 \ \checkmark A$	Accept: R1 374,90 OR R1 375 (2)	
1.1.6	Simple Interest / Enkelvoudige rente ✓✓ A	2A simple interest (2)	F L1
* 1.2.1	Ascending order / Stygende orde ✓RT -17,4%; -6,7%; -1,1%; 10,1%; 42,7%; 90,1%; 122,2% ✓A	1RT correct values 1A ascending order (2)	D L1
* 1.2.2	Sport skirt / Sport rompie ✓✓RT	2RT correct item (2)	D L1
1.2.3	Difference / Verskil = R171,00 − R89,95 ✓MA = R81,05 ✓A	1MA subtracting correct values 1A difference (2)	F L1
1.2.4	Total cost / totale koste = R267,92 + R214,17 + R248,70 + R267,78 + R87,75 + R48,58 + R89,95 ✓ MA = R1 224,85 ✓ CA	1MA adding correct values 1CA simplification CA only if 1 value omitted (2)	F L1
* 1.2.5	Shinpads / Skeenskud OR/OF ✓✓A	2A correct item	D L1
	Hockey shoes / Hokkieskoene. (Any hockey related equipment)	(2)	

\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
* 1.3.1 (a)	EC / OK ✓✓RT	2RT correct province (2)	D L1
* 1.3.1 (b)	WC / WK ✓✓RT	2RT correct province (2)	D L1
1.3.2	No province / Geen provinsie		D L1
	OR/OF ✓✓A	2A correct solution	
	No Mode / Geen Modus	(2)	
* 1.3.3	Number of unemployed people / Aantal werklose mense ✓RT = 35,6% × 918 000 ✓MA = 326 808 ✓CA	1RT correct % 1MA calculating percentage 1CA simplification (3)	D L1
		[31]	

	TION/VRAAG 2 [33 MARKS/PUNTE]			1
Q/V	Solution/Oplossing	Explanation/Verduideliking		T&L
* 2.1.1	125 Bossie Street, Upington ✓✓RT	2RT correct address	(2)	F L1
2.1.2	Excluding VAT / BTW uitgesluit			F L2
	$= R900 \times \frac{100}{115} \checkmark MA$	1RT correct accommodation 1MA excluding calculation		
	= R782,6086957 = R782,61 ✓ A	1A simplification		
	OR/OF ✓RT	OR / OF		
	$= \frac{R900}{1,15} \checkmark MA$	1RT correct accommodation 1MA excluding calculation		
	= R782,6086957 = R782,61 ✓ A	1A simplification		
	OR/OF	OR / OF		
	VAT / BTW ✓RT	1RT correct accommodation		
	= $R900 \times (15 \div 115)$ = $R117,39 \checkmark A$	1A vat amount		
	Excluding VAT / BTW uitgesluit			
	= R900 – R117,39 = R782,61 ✓ A	1A simplification	(3)	
2.1.3	✓MA C = R75 040,00 – (R28 800+ R5 760 + R6 480) = R34 000 ✓CA	1MA correct values used 1CA simplification		F L1
	OR / OF	OR / OF		
	$\mathbf{C} = \mathbf{R850} \times 2 \times 20 \checkmark \mathbf{MA}$ $= \mathbf{R34000} \checkmark \mathbf{CA}$	1MA multiply correct values 1CA simplification	(2)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
*	<u> </u>	CA from Question 2.1.3	F
(2.1.4)	Number of guests in 4-bed rooms /	-	L3
	Aantal gaste in 'n 4-bed-kamers		
	$= R34\ 000 \div (2 \times 850) $ ✓ MCA	1MCA dividing and multiplying	
	= 20 ✓CA	1CA simplification	
	Number of guests in 2-bed rooms Aantal gaste in 'n 2-bed-kamers		
	= R28 800 ÷ (2 × 900) ✓ MCA = 16 ✓ CA	1MCA dividing and multiplying 1CA number of guest in 2-bed accommodation	
	Ratio/Verhouding = 16 : 20 ✓ MCA = 4 : 5 ✓ CA	1MCA ratio in correct order 1CA simplification	
	OR / OF	OR / OF	
	Number of guests in 2-bed rooms		
	Aantal gaste in 'n 2-bed-kamers		
	$= R28 \ 800 \div (2 \times 900) \checkmark MA$	1MA dividing and multiplying	
	$= 16 \checkmark CA$	1CA simplification	
	Number of guest in 4-bed rooms		
	Aantal gaste in 'n 4-bed-kamers		
	✓MCA	1MCA subtracting	
	$= 36 - 16 = 20 \checkmark CA$	1CA number of guest in 2-bed accommodation	
	Ratio/ <i>Verhouding</i> = 16 : 20 ✓ MCA	1MCA ratio in correct order	
	= 4 : 5 ✓CA	1CA simplification	
	OR / OF	OR / OF	
	✓MA ✓MA	1MA left ratio	
	R28 800 R34 000	1MA right ratio	
	$=\frac{125000}{900}:\frac{125100}{850}$ \checkmark MA	1MA concept of ratio	
	√A (250)	1A correct value	
	Ratio/Verhouding = $32:40$ \checkmark MCA	1MCA ratio in correct order	
	= 4 : 5 ✓ CA	1CA simplification	
		(6)	

2.1.5	Cost of one guest in 2-bed room/ Koste van een gas in 'n 2-bed-kamer = 2 × R900 = R1 800 ✓A	1A total accommodation	F L4
(2.1.5)	Koste van een gas in 'n 2-bed-kamer $= 2 \times R900$	1 A total accommodation	L4
	$= 2 \times R900$	1 A total accommodation	
		1 A total accommodation	
	= R1 800 ∨ A		
		1A total accommodation	
	Refund for cancelling before check-in time/		
	Terugbetaling vir kanselasie voor inteken tyd		
	,		
	$=\frac{75}{100} \times R1\ 800 \ \checkmark MCA$	1MCA calculating 75%	
	$-\frac{100}{100}$ × K1 800 × MCA		
	= R1 350 ✓ CA	1CA simplification	
	Refund for cancelling after check-in time/		
	Terugbetaling vir kanselasie na inteken tyd		
	$\frac{25}{100} \times R1\ 800$		
		1CA second accommodation	
	$= R450 \checkmark CA$	refund	
	Refund for meals/Terugbetaling vir etes	Teruna	
	$= 4 \times R80 + 4 \times R90$		
	= R680 ✓ A	1A meal refund	
	- Root V A		
	Total Refund/		
	Totale Terugbetaling		
	= R450 + R1 350 + R680		
	$= R2 480 \checkmark CA$	1CA total refund	
	Statement is CORRECT/Stelling is KORREK ✓O	10 conclusion	
	07.407		
	OR / OF	OR / OF	

Q/V	Solution/Oplossing	Explanation/Verduideliking		T&L
2.1.5	First Person / Eerste person Total cost of room / Totale koste van kamer = 2 × R900 = R1 800 ✓ A Refund for accommodation / Terugbetaling van	1A total accommodation		
	akkomodasie = R1 800 × 25% = R450 ✓ MCA	1MCA calculating 25%		
	Total refund / Totale terugbetaling = R450 + 2 (R80,00 + R90) = R790 ✓CA	1CA simplification		
	Second Person / Tweede Persoon Total cost of room / Totale koste van kamer = 2 × R900 = R1 800			
	Refund for accommodation / Terugbetaling vir akkomodasie = R1 800 × 75% = R1 350			
	Total refund / Totale terugbetaling = R1 350 + 2 (R80,00 + R90) ✓A = R1 690 ✓CA	1A total meals 1CA total refund		
	Total refund for both people / Totale terugbetaling vir beide persone = R1 690 + R790 = R2 480 ✓ CA	1CA total refund for 2 people		
	Statement is CORRECT / Stelling is KORREK. ✓O	10 conclusion	(7)	
* 2.2.1	Cost to fix the vehicle / Koste om voertuig reg te maak			F L1
	= R50 000 + R22 000 + R3 682,50 + R450 ✓MA = R76 132,50 ✓CA	1MA adding all values 1CA correct answer AO	(2)	

\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
_		CA from Question 2.2.1	F
2.2.2	Selling price / verkoopprys		L4
	$=\frac{65}{100} \times R145\ 900\ \checkmark MA$	1MA percentage calculation	
	$=\frac{100}{100} \times R145 900 \text{ V MA}$	_	
	= R94 835 ✓A	1A correct answer	
	= R94 835 – R76 132,50 ✓MCA	1MCA subtracting values	
	= R18 702,50 ✓CA	1CA simplification	
	Not VALID / Nie GELDIG nie ✓O	10 conclusion (5)	
			F
2.2.3	Interest / rente		L3
	$= R15\ 000 \times 6.25\%$		
	$= R937,50 \checkmark A$	1A interest	
	Amount after one year / bedrag na een jaar		
	$= R15\ 000 + R937,50 \checkmark MA$	1MA adding interest	
	= R15 937,50 ✓CA	1CA Simplification	
	Interest for second year/ rente vir tweede jaar		
	$= R15 937,50 \times 6,95\%$		
	= R1 107,66 ✓CA	1CA simplification	
	- KI 107,00 · CII	Terr simplification	
	Amount after two years /bedrag na twee jaar		
	= R15 937,50 + R1 107,66		
	= R17 045,16		
	Interest after two years /rente na twee jaar		
	= R17 045,16 - R15 000 ✓MCA	1MCA subtracting values	
	= R2 045,16 ✓CA	1CA simplification	
	OR/OF	OR / OF	
	Interest / rente	021, 02	
	$= R15\ 000 \times 6,25\% = R937,50 \checkmark A$	1A interest	
	Amount after one year / bedrag na een jaar		
	= R15 000 + R937,50 ✓MA	1MA adding interest	
	= R15 937,50 ✓CA	1CA Simplification	
	- R13 737,50 V CA	1011 Simplification	
	Interest for second year / rente vir tweede jaar		
	$= R15 937,50 \times 6,95\%$		
	= R1 107,66 ✓CA	1CA simplification	
	Interest after two years / rente na twee jaar		
	= R937,50 + R1 107,66 ✓ MCA	1MCA adding values	
	= R2 045,16 ✓ CA	1CA simplification	
	OR/OF	OR / OF	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.2.3	Amount after two years / bedrag na twee jaar \checkmark MA \checkmark MA = R15 000 × 1,0625 × 1,0695 \checkmark MA = R17 045,16 \checkmark CA	1MA adding percentage year 1 1MA adding percentage year 2 1MA multiplying year 1 & 2 1CA simplification	
	Interest after two years / rente na twee jaar = R17 045,16 − R15 000 ✓ MCA = R2 045,16 ✓ CA	1MCA subtracting values 1CA simplification (6)	
		[33]	

QUESTION/VRAAG 3 [25 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.1.1	537 ✓∀ RT	2RT correct value (2)	D L1
* 3.1.2	✓RT Difference/Verskil = 2 163 – 2 828 = -665 ✓CA	1RT correct values chosen 1CA simplification (2)	D L1
3.1.3	% employees with disabilities / werkers met gestremdhede	CA from Question 3.1.2	D L2
l	$ \begin{array}{l} \checkmark RT \\ = \frac{34}{2163} \times 100\% \checkmark MCA \end{array} $	1RT correct values chosen 1MCA calculate %	
ı	2 163 = 1,572% ✓CA	1CA simplification Accept: 1,6% and 1,57% (3)	
3.1.4	% employees at head-office/ % werkers by hoofkantoor	CA from Question 3.1.2	D L3
l	= 1,5% × 2 163 = 32,445 ✓ A	1A employees at head office	
1	Number of employees in motor dealerships Aantal werkers in motorhandelaar		
l	= 2 163 – 32,445 ✓ MCA = 2 130,555 ✓ CA	1MCA subtracting 1CA employees at branches	
l	Average per dealership/gemiddelde per motorhandelaar		
	= 2 130,555 ÷ 41 ✓ MCA = 51,9647 ✓ CA	1MCA average concept 1CA simplification	
l	OR / OF	OR / OF	
	% employees at head-office/ % werkers by hoofkantoor		
ı	= 100% − 1,5% = 98,5% ✓A	1A employees at head office	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.1.4	Number of employees in motor dealerships Aantal werkers in motorhanelaar		
	= 98,5% × 2 163 ✓ MCA = 2 130,555 ✓ CA	1MCA multiplying 1CA employees at branches	
	Average per dealership/gemiddelde per motorhandelaar = 2 130,555 ÷ 41 ✓ MCA = 51,9647 ✓ CA	1MCA average concept 1CA simplification NPR	
		Accept: 51,96 / 51,97 / 52 / 51 (5)	
3.1.5	% coloured females / % bruin vroue ✓RT	CA from Question 3.1.2 1RT correct values	P L2
	$= \frac{54}{2163} \times 100\% \checkmark MA$	1MA probability concept	
	= 2,497% ✓R	1R rounded answer (3)	
3.2.1	Lower Quartile / Onderste kwartiel = 21 ✓✓RT	2RT finding correct value	D L2
(a)		Accept: above 20 – less than 22 (2)	
3.2.1	75 th percentile / 75ste persentiel = 28,2 ✓ √ RT	2RT finding correct value	D L2
(b)		Accept: above 28 – 29 (2)	
3.2.1 (c)	Median / Mediaan = 31,5 ✓✓RT	2RT finding correct value	D L2
		Accept: 30,5 – 32,5 (2)	

\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.2.2	50% of all the provinces had an unemployment rate of higher than 31,75% / ✓✓O 50% van al die provinsies het 'n werkloosheidkoers van hoër as 31,75%		D L4
	OR / OF		
	The median of the data is the highest in 2021. $\checkmark \checkmark O$ Die mediaan van die data is die hoogste in 2021. OR / OF	2O first explanation 2O second explanation	
	The maximum value is the highest in 2021. Die maksimum waarde is die hoogste in 2021.		
	OR / OF		
	The box and whisker indicates a higher unemployment rate / Die mond-en-snordiagram dui 'n hoër werkloosheidskoers aan.		
	OR / OF		
	Q3 is higher in 2021 than in 2020 and 2019. K3 is hoër in 2021 as in 2020 en 2019. ✓✓O		
	(Any two reasons / Enige 2 redes)	(4)	
		[25]	

QUES'	QUESTION/VRAAG 4 [29 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L	
4.1.1	Banks are discouraging clients to go to the branch to reduce the number of people visiting the bank / Banke ontmoeding kliente om binne die bank transakies te doen om die aantal mense binne die bank te verminder.		F L4	
	OR / OF			
	Banks have to pay employees working in the bank / Banke moet werkers betaal om in die bank te werk.	2A explanation		
	OR / OF			
	To reduce the wage bill / Om die loonrekening te verminder. ✓✓A	(2)		
4.1.2	Difference in cost / Verskil in koste		F L2	
	$= R5,00 - R1,50 \checkmark RT$ = R3,50 \checkmark A	1RT correct values 1A simplification (2)		
4.1.3	Nedbank: Pay-as-you-use / Betaal-soos-jy-gebruik Transaction cost / Transaksiekoste \checkmark A \checkmark A \checkmark SF \checkmark A $= 2 \times R5,00 + 2 \times R9,00 + R11 + 5 \times R2,30 + R15$	1A debit order fees 1A cash withdrawal own ATM 1SF correct formula 1A cash send cost	F L4	
	= R65,50 ✓CA	1CA simplification		
	Difference / Verskil = R65,50 − R45,00 = R20,50 ✓ CA	1CA subtracting		
	His statement is VALID / Sy bewering is GELDIG. ✓O	10 valid (7)		

\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
* 4.2.1	Annual tax payable before primary rebate/ Jaarlikse belasting betaalbaar voor primêre korting = R87 329 × 18% ✓ MA = R15 719,22 ✓ CA	1MA correct tax bracket 1CA simplification	F L3
	Annual tax payable after primary rebate/ Jaarlikse belasting betaalbaar na primêre korting = R15 719,22 − R15 714 ✓ MCA = R5,22 ✓ CA	1MCA subtracting primary rebate 1CA simplification (4)	
4.2.2	The discount SARS gives to tax payers / Die korting wat SARS vir belasting betalers gee.		F L1
	OR / OF Rebate is a tax relief given to tax payers / Korting is die belasting verligting wat aan belasting betalers gegee word.	20 tax discount (2)	
4.2.3	✓RT ✓RT R15 714 + R8 613 ✓MA = R24 327 ✓MCA	1RT correct value 1RT correct value 1MA adding correct values 1MCA simplification	F L3
	R24 327 ÷ 18% ✓ MCA = R135 150	1MCA dividing by 18%	
	OR / OF	OR / OF	
	= R135 150 × 18% ✓MA = R24 327 ✓MCA ✓RT ✓RT = R24 327 – (R15 714 + R8 613) ✓MA = R0	1MA calculating 18% 1MCA simplification 1RT correct value 1RT correct value 1MA subtracting correct values (5)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
* 4.3.1	Compound / dual / multiple / stacked bar graph Saamgestelde/dubbel / veelvoudige / gestapelde staafgrafiek		D L1
	OR / OF	2A graph	
	Line Graph / Lyngrafiek ✓✓ A	(2)	
4.3.2	D = 100% − (40% + 5% + 30% + 5% + 5%) ✓MA = 15% ✓CA	1MA subtracting from 100% 1CA simplification (2)	D L1
4.3.3	$P_{\text{(not savings)}} = 100\% - 15\% \checkmark \text{RT}$ = 85% $\checkmark \text{CA}$ = 0,85 $\checkmark \text{C}$	1RT correct percentages 1CA simplification 1C converting to decimal	P L2
	OR / OF	OR / OF	
	$P_{\text{(not savings)}} = 30\% + 15\% + 10\% + 10\% + 20\% \checkmark RT$ = 85% \checkmark CA = 0,85 \checkmark C	1RT correct percentages 1CA simplification 1C converting to decimal (3)	
		[29]	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
5.1.1	Cottonseed / Katoensaad ✓✓RT	2RT reading from graph (2)	D L2
5.1.2	Coffee contribution / koffie bydrae	· ·	F L2
	✓RT	1RT reading from graph	
	$= \frac{8,92}{100} \times \$110322 \text{ million / miljoen} \checkmark MA$	1MA multiplying with total amount	
	= \$9 840,7224 million / miljoen / \$9 840 722 400 ✓ CA	1CA simplification (3)	
5.1.3	0 OR 0% OR Impossible / Onmoontlik ✓✓A	2A correct probability (2)	P L2
* 5.1.4	✓RT 25,98% = 32 201 billion / <i>miljard</i>	1RT correct percentage	F L2
	Total amount / totale bedrag		
	$= \frac{100}{25,98} \times \$32\ 201\ \text{billion/miljard} \checkmark \text{MA}$	1MA working with correct %	
	= \$123 945 billion / miljard ✓ CA	1CA simplification	
	Amount for corn ✓RT	1RT correct %	
	$=\frac{11,91}{100} \times $123 945 \text{ billion / miljard}$		
	= \$14 761,890300 billion / miljard ✓CA	1CA simplification	
	OR / OF	OR / OF	
	✓RT 25,98% = \$32 201 billion / miljard ✓MA ✓RT 11,91% = ?	1RT correct percentage 1MA concept of ratio 1RT correct percentage	
	25,98% × ? = \$383 513,91 billion / miljard ✓MA	1MA calculating total amount	
	? = \$14 761,89 billion / <i>miljard</i>		
	Amount for corn = \$14 761,89 billion / miljard ✓ CA	1CA simplification	
	OR / OF	OR / OF	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	✓RT	1RT correct percentage	
5.1.4	25,98% = 32 201 billion / <i>miljard</i>		
	Total amount / totale bedrag		
	✓RT ✓MCA	1RT correct percentage	
	11,010/ - 11,91 × \$22,201billion / miliord VMA	1MCA correct ratio	
	$11,91\% = \frac{11,91}{25,98} \times $32 \ 201 \text{ billion / miljard } \checkmark \text{MA}$	1MA calculating total amount	
	= \$14 761,890300 billion / miljard ✓CA	1CA simplification	
		(5)	D
5.1.5	% contribution of bananas / % bydrae van piesangs		L3
	25,98+16,60+11,91+9,33+6,22+B+3,95		
	$11,15 = \frac{25,98+16,60+11,91+9,33+6,22+B+3,95}{7 \checkmark MA}$	1MA concept of mean	
		1MA adding values 72.00	
	$11,15 = \frac{73,99 + B}{7}$	1MA adding values – 73,99	
	$78,05 = 73,99 + \mathbf{B} \checkmark \mathbf{S}$	1S simplification	
	$\mathbf{B} = 78,05 - 73,99 \checkmark MCA$	1MCA changing the subject	
	B = 4,06 ✓CA	1CA simplification	
	OR / OF ✓MA	OR/OF	
	$25,98+16,60+11,91+9,33+6,22+\mathbf{B}+3,95=11,15\times7$	1MA concept of mean	
	✓MA	1MA adding values – 73,99	
	$73,99 + \mathbf{B} = 78,05 \checkmark \mathbf{S}$	1S simplification	
	$\mathbf{B} = 78,05 - 73,99 $ ✓MCA	1MCA changing the subject	
	B = 4,06 ✓CA	1CA simplification	
		(5)	D
5.1.6	118 405 000 000 US\$/VS\$. ✓✓A	2A correct number	L1
		(2)	
501	London / (DT)	2DT commont constitution	F
5.2.1	Japan ✓✓RT	2RT correct country (2)	L2
*			F
5.2.2	ZAR OR / OF South African Rand / Suid Afrikaanse		L2
	Rand OR /OF Rand ✓✓RT	2RT correct currency	
		(2)	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
			F
5.2.3	€ 1 = BRL 5,2379 ✓RT	1RT correct rate	L2
	= 5,2379 × R3,2026 ✓ MCA	1MCA multiplying correct	
	= 3,2377 × R3,2020 West	values	
	$= R16,77489 / R16,7749 / R16,777 / R16,775 \checkmark CA$		
		NPR (min 2 decimal places)	
		AO	
		(3)	
5.2.4	Difference / Venelil (in 1188/VS\$)		F L4
3.2.4	Difference / Verskil (in US\$/VS\$) ✓ A	1A difference in US\$	L4
	= 29,72 billion/ <i>miljard</i> – 21,62 billion/ <i>miljard</i>	174 difference in OS\$	
	$= 8.1 \text{ billion} / \text{miljard} \checkmark \text{CA}$	1CA simplification	
	· ·	-	
	Difference / Verskil (in BRL)		
	= 8.1 hillion/miliard × 4.9642 ✓MCA	1MCA multiplying by correct	
	= 8,1 billion/miljard × 4,9642 ✓ MCA = 40,21002 billion / miljard ✓ CA	exchange rate	
	= 40,21002 billion / mujura	1CA simplification	
	Difference / Verskil (in €)		
	= 40,21002 ÷ 5,2379		
	= 7,676744497 billion / miljard	1CA answer in millions	
	= 7 676,744497 million / miljoen ✓ CA		
	His statement is VALID / Sy bewering is GELDIG. O	10 conclusion	
	3, 00,00,00,00,00	NPR	
		(6) [32]	
		TOTAL/TOTAAL: 150	
		101AL/101AAL; 150	