basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE/ *NASIONALE SENIOR SERTIFIKAAT*

GRADE/*GRAAD* 12

MATHEMATICAL LITERACY P1 / *WISKUNDIGE GELETTERDHEID V1*

NOVEMBER 2025

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 23 pages.
Hierdie nasienriglyne bestaan uit 23 bladsye.

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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 a $\frac{1}{3}$ of the 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 neem 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 'n $\frac{1}{3}$ van die punt voor die gevolgtrekking).*
- *Geen penalisering vir ronding (NPR) as die eerste desimaal korrek is nie, behalwe as vrae geld insluit.*

QUESTION/*VRAAG* 1 [30 MARKS/*PUNTE*] **ANSWER ONLY FULL MARKS**			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
1.1.1	Cape Town / *Kaapstad* ✓✓RT	2RT correct city (2)	F L1 E
1.1.2	Cost per kilogram / *Koste per kilogram* ✓RT = R41,41 ÷ 5 = R8,282 **OR** R8,28 ✓A **OR / *OF*** 5kg : R41,41 1kg : ? = $\frac{1}{5}$ × R41,41 ✓RT = R8,282 **OR** R8,28 ✓A	1RT R41,41 1A simplification **OR / *OF*** 1RT R41,41 1A simplification (2)	F L1 E

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
1.1.3	Ratio / *Verhouding* ✓RT ✓RT 165,52 : 169,62 1 : 1,025 ✓A	 1RT 165,52 1RT 169,92 1A simplification (3)	F L1 E
* 1.1.4	Total price / *Totale prys* = R18,07 + R111,59 + R41,41 + R105,24 + R41,91 + R223,23 + R52,38 + R104,96 + R163,31 + R101,94 ✓MA = R964,04 ✓A	 1MA adding all values 1A simplification (2)	F L1 E
1.2.1	D ✓✓A	2A correct option (2)	F L1 E
1.2.2	C ✓✓A	2A correct option (2)	F L1 E
1.2.3	F ✓✓A	2A correct option (2)	F L1 E
1.2.4	G ✓✓A	2A correct option (2)	D L1 E
* 1.3.1	Indian / Asian **OR / *OF*** ✓✓RT *Indiër / Asiaties*	2RT correct population (2)	D L1 M
1.3.2	Discrete / *Diskrete* ✓✓A	2A correct classification (2)	D L1 E
* 1.3.3	Questionnaire / Survey / Census / Interview ✓✓A *Vraelys / Opname / Sensus / Onderhoud*	2A correct instrument (2)	D L1 E
* 1.3.4	60 604 992 ✓✓RT	2RT correct population total (2)	D L1 E
1.3.5	49 070 809 ✓✓A	2A correct number (2)	D L1 E

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
1.3.6	Percentage / *Persentasie* ✓RT $= \frac{2\ 242\ 589}{29\ 624\ 882} \times 100\%$ ✓MA $= 7{,}569950827\%$ ✓A	1RT both correct values 1MA percentage calculation 1A simplification (3)	D L1 E
		[30]	

QUESTION/*VRAAG* 2 [32 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
2.1.1	Unemployment Insurance Fund / *Werkloosheids-versekeringsfonds* ✓✓A	2A correct acronym (2)	F L1 E
2.1.2	SARS / *SAID* ✓✓A **OR / *OF*** South African Revenue Services / *Suid-Afrikaanse Inkomstediens* ✓✓A	2A correct government institution (2)	F L1 E
2.1.3	Employer Medical Aid contribution / *Werkgewer Mediese fonds bydrae* = R2 531,54 ÷ 2 ✓MA = R1 265,77 ✓A **OR / *OF*** Total Medical Aid contribution / *Totale Mediese fonds bydrae* $= \frac{3}{2} \times$ R2 531,54 = R3 797,31 Employer Medical Aid contribution / *Werkgewer Mediese fonds bydrae* = R3 797,31 ÷ 3 ✓MA **OR** R3 797,31– R2 531,54 = R1 265,77 ✓A	1MA divide by 2 1A simplification **OR / *OF*** 1MA divide by 3 1A simplification **AO** (2)	F L2 M
2.1.4(a)	**A** = R6 298 ✓✓RT	2RT correct value (2)	F L2 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
(2.1.4(b))	**B** = Gross salary – UIF – PAYE Tax – medical aid *= Bruto salaris – WVF – LBS Belasting – mediese fonds* = R35 000 – R177,12 – R6 298 – R2 531,54 ✓MCA = R25 993,34 ✓CA **OR / *OF*** **B** = R35 000 – (R177,12 + R6 298 + R2 531,54) = R35 000 – R9 006,66 ✓MCA = R25 993,34 ✓CA	**CA from Question 2.1.4 (a)** 1MCA subtracting values 1CA simplification **OR / *OF*** 1MCA subtracting total value 1CA simplification **AO** (2)	F L2 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
2.1.4(c)	Annual taxable income / *Jaarlikse belasbare inkomste* = R35 000 × 12 = R420 000 ✓A Annual tax payable before rebates / *Jaarlikse belasting betaalbaar voor kortings* ✓MCA = R77 362 + 31% of the taxable income above R370 500 = R77 362 + 31% (R420 000 – R370 500) = R77 362 + (31% × R49 500) = R77 362 + R15 345 = R92 707,00 ✓CA Annual tax payable after rebates/*Jaarlikse belasting betaalbaar na kortings* ✓RT = R92 707,00 – R17 235 – (R364 × 12) = R92 707,00 – R17 235 – R4 368 ✓MA = R71 104,00 ✓CA Monthly tax payable / *Maandelikse belasting betaalbaar* = R71 104,00 ÷ 12 = R5 925,33 **OR / *OF*** Annual tax payable / *Jaarlikse belasting betaalbaar* = R6 298 × 12 = R75 576 ✓CA Her statement is VALID / *Haar bewering is GELDIG.* ✓O	1A annual taxable income 1MCA correct tax bracket 1CA simplification 1RT correct tax rebate 1MA subtracting MTC 1CA simplification 1CA tax amount CA from Question 2.1.4 (a) 1O conclusion (8)	F L4 D

Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
2.2.1	% paid / *% betaal* $= \frac{R4,20}{R14,20} \times 100\%$ ✓MA = 29,58% ✓A % savings / *% besparing* = 100% – 29,58% = 70,42% ✓CA **OR / *OF*** % savings / *% besparing* ✓MA $= \frac{R14,20 - R4,20}{R14,20}$ ✓A $\times 100\%$ = 70,42% ✓CA	 1MA dividing correct values 1A simplification 1CA simplification **OR / *OF*** 1MA subtracting correct values 1A correct denominator 1CA simplification (3)	F L2 M

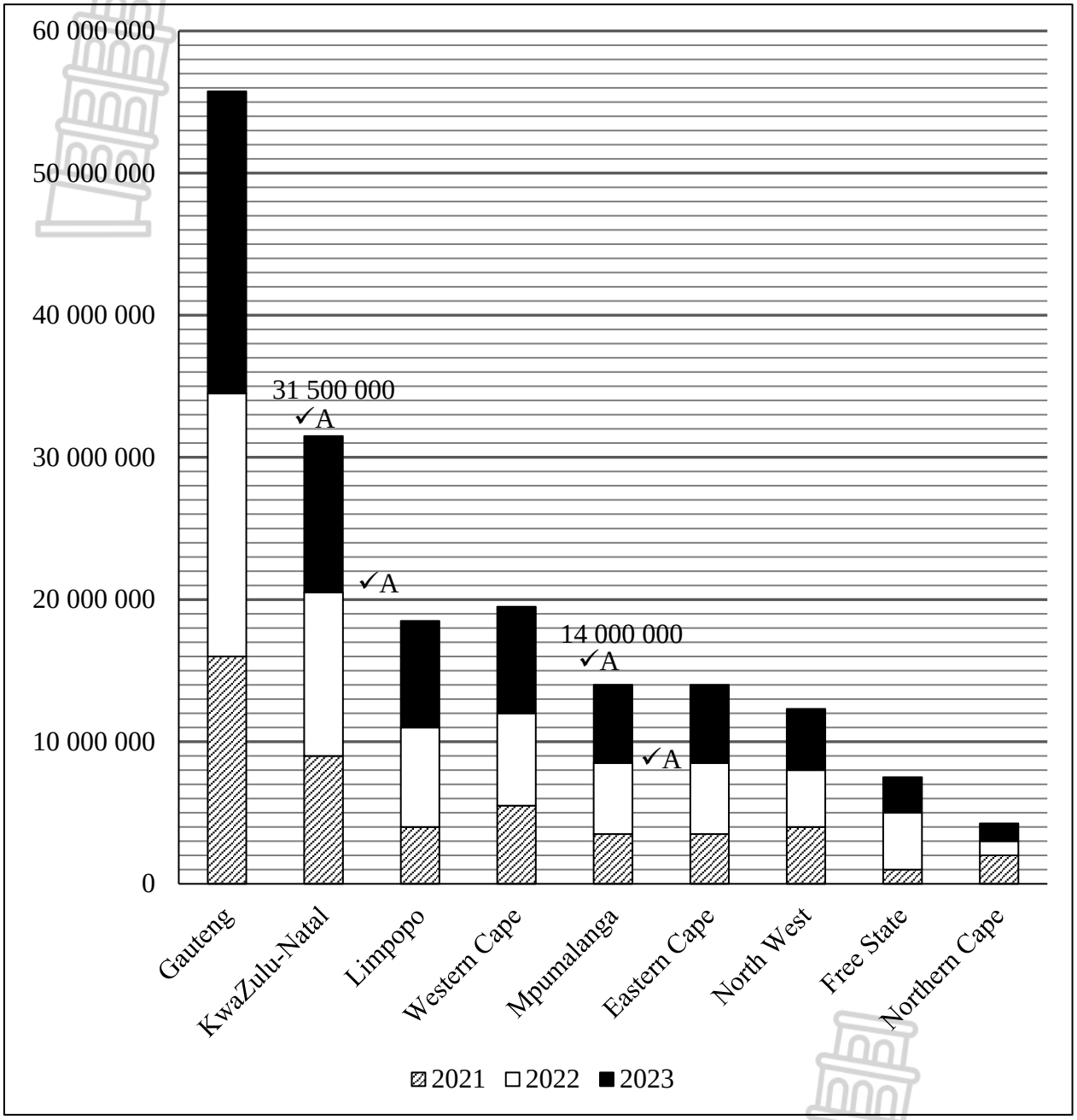
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
2.2.2	Cost per trip / *Koste per rit* ✓RT $= \frac{R465,60}{44}$ ✓MA = R10,58 ✓CA Saving per trip / *Besparing per rit* = R14,20 – R10,58 ✓MCA = R3,62 ✓CA **OR/*OF*** Total cost / *Totale koste* ✓RT = R14,20 × 44 = R624,80 Difference / *Verskil* = R624,80 – R465,60 ✓MCA = R159,20 ✓CA Saving per trip / *Besparing per rit* $= \frac{R159,20}{44}$ ✓MA = R3,62 ✓CA	1RT R465,60 1MA dividing by 44 1CA simplification 1MCA subtracting values 1CA simplification **OR/*OF*** 1RT R14,20 1MCA subtracting values 1CA simplification 1MA dividing by 44 1CA simplification (5)	F L2 D
2.2.3	Probability / *Waarskynlikheid* = 0 / 0% / impossible / *onmoontlik* / $\frac{0}{4}$ ✓✓A	2A correct probability Accept: $= \frac{0}{3}$ (2)	P L2 E

Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
* 2.2.4	Package amount left / *Pakketbedrag oor* = R416,30 – R35,00 ✓RT = R381,30 ✓A Number of weekly trips / *Aantal weeklikse ritte* ✓MCA = R381,30 ÷ R127,10 = 3 ✓CA **OR** R127,10 × 3 = R381,30 **OR / *OF*** Package amount left / *Pakketbedrag oor* ✓RT = R416,30 – R127,10 – R127,10 – R127,10 ✓MA = R35 ✓A Number of weekly trips / *Aantal weeklikse ritte* = 3 ✓CA	1RT R35 1A simplification 1MCA dividing values 1CA simplification **OR / *OF*** 1RT R127,10 1MA subtracting values 1A simplification 1CA simplification (4)	F L3 M
		[32]	

QUESTION/*VRAAG* 3 [30 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
* 3.1.1	Median / *Mediaan* = 43% 46% 51% 54% 56% 57% ✓MA ✓RT $= \frac{51\% + 54\%}{2}$ ✓MA = 52,5% ✓CA	1MA arranging values 1RT 51% and 54% 1MA concept of median 1CA simplification **AO** (4)	D L2 M
3.1.2	Probability / *Waarskynlikheid* ✓A $= \frac{4}{6}$ ✓A = 0,67 ✓CA	1A numerator 1A denominator 1CA simplification (3)	P L2 M
3.1.3(a)	Total number of users / *Totale aantal gebruikers* $= 405\,000\,000 \times \frac{100}{54}$ ✓MA ÷ 54% **OR** ÷0,54 = 750 000 000 / 750 million / *750 miljoen* ✓CA **OR / *OF*** Number of male users / *Aantal manlike gebruikers* $= \frac{46}{54} \times 405\,000\,000$ = 345 000 000 ✓A Total number of users / *Totale aantal gebruikers* = 405 000 000 + 345 000 000 = 750 000 000 / 750 million / *750 miljoen* ✓CA	1MA percentage calculation 1CA simplification **OR / *OF*** 1A 345 000 000 1CA simplification **AO** (2)	D L2 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
3.1.3(b)		**CA from Question 3.1.3 (a)**	D L4 M
	Male users / *Manlike gebruikers* $= 750\ 000\ \ 000 \times \frac{46}{100}$ ✓MCA	1MCA calculating 46%	
	= 345 000 000 ✓CA	1CA simplification	
	Difference / *Verskil* = 405 000 000 – 345 000 000		
	= 60 000 000 ✓CA	1CA difference	
	Her statement is NOT VALID / *Haar bewering is NIE GELDIG NIE.* ✓O	1O conclusion	
	OR / *OF*	**OR / *OF***	
	Based on the answer of Question 3.1.3 (a) / *Gebaseer op die antwoord in 3.1.3 (a)* = 405 000 000 – 345 000 000 ✓✓MCA	2MCA difference	
	= 60 000 000 ✓CA	1CA simplification	
	Her statement is NOT VALID / *Haar bewering is NIE GELDIG NIE.* ✓O	1O conclusion	
	OR / *OF*	**OR / *OF***	
	Percentage difference / *Presentasie verskil* = 54% – 46% = 8% ✓CA	1CA percentage difference	
	= 8% × 750 million / *miljoen* ✓MCA = 60 000 000 ✓CA	1MCA calculating 8% 1CA simplification	
	Her statement is NOT VALID / *Haar bewering is NIE GELDIG NIE.* ✓O	1O conclusion (4)	

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 3.2.1	Stacked bar graph / *Stapelstaafgrafiek* ✓✓A **OR / *OF*** Compound bar graph / *Saamgestelde staafgrafiek* ✓✓A	2A correct graph (2)	D L1 E
3.2.2(a)	Limpopo (LP) and North West (NW) / *Limpopo (LP) en Noordwes (NW)* ✓✓A **OR/*OF*** Mpumalanga (MP) and Eastern Cape (EC) / *Mpumalanga (MP) en Oos-Kaap (OK)* ✓✓A	2A correct pair of provinces **OR/*OF*** 2A correct pair of provinces (2)	D L2 M
3.2.2(b)	Number of devices in Limpopo 2022 / *Aantal toestelle in Limpopo 2022* ✓RT = 11 000 000 – 4 000 000 ✓MA = 7 000 000 **OR** 7 million / *miljoen* ✓CA **OR / *OF*** Number of devices in Limpopo 2022 / *Aantal toestelle in Limpopo 2022* ✓RT = 18 500 000 – 4 000 000 – 7 500 000 ✓MA = 7 000 000 **OR** 7 million / *miljoen* ✓CA	1RT both correct values 1MA subtracting values 1CA simplification **OR / *OF*** 1RT both correct values 1MA subtracting values 1CA simplification **AO** (3)	D L2 M
3.2.2(c)	Provincial range 2021 / *Provinsiale omvang 2021* Range = Highest Value – Lowest Value ✓RT ✓RT Range = 16 000 000 – 1 000 000 ✓MA = 15 000 000 **OR** 15 million / *miljoen* ✓CA	1RT highest value 1RT lowest value 1MA concept of range 1CA simplification **AO** (4)	D L3 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
3.2.3	 1A KwaZulu-Natal End point / *Eindpunt:* 31 500 000 1A KwaZulu-Natal complete stacked bar graph / *Voltooi stapel-staafgrafiek* 1A Mpumalanga End Point / *Eindpunt*: 14 000 000 1A Mpumalanga complete stacked bar graph / *Voltooi stapel-staafgrafiek* (4)		D L3 D
3.2.4	Probability/*Waarskynlikheid* $= \frac{2}{9}$ ✓A ✓A	1A numerator 1A denominator (2)	P L2 E
		[30]	

QUESTION/*VRAAG* 4 [28 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
* 4.1.1	✓A ✓A Cost = R1 000 + (R500 × *n*) *Koste = R1 000 + (R500 × n)* **OR / *OF*** ✓A ✓A Cost = R1 000 + (R500 × number of days) *Koste = R1 000 + (R500 × aantal dae)*	1A deposit 1A variable cost **OR / *OF*** 1A deposit 1A variable cost (2)	F L2 M
4.1.2	✓A **B** = R1 000 + (R350 × 5) ✓MA = R2 750 ✓CA **OR / *OF*** ✓A **B** = R2 050 + R350 + R350 ✓MA = R2 050 + R700 = R2 750 ✓CA	1MA multiplying values 1A adding R1 000 1CA simplification **OR / *OF*** 1A R2 050 1MA adding values 1CA simplification **AO** (3)	F L2 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
4.1.3 (a)	Income for both trailers / *Inkomste vir beide waentjies* ✓MA = (R1 350 × 2) + (R1 500 × 6) = R2 700 + R9 000 ✓A = R11 700 ✓CA Total income after refund / *Totale inkomste na terugbetaling* = R11 700 – R7 000 ✓MCA = R4 700 ✓CA Statement NOT VALID / *Bewering is NIE GELDIG NIE.*✓O **OF/*OR*** Income for small trailer / *Inkomste vir klein waentjie* = R350 × 2 ✓MA = R700 ✓CA Income for large trailer / *Inkomste vir groot waentjie* = R500 × 6 = R3 000 ✓A Total income after refund / *Totale inkomste na terugbetaling* = R700 + R3 000 + R1 000 ✓MCA = R4 700 ✓CA Statement NOT VALID / *Bewering is NIE GELDIG NIE.*✓O **OF / *OR*** Total cost for all trailers / *Totale koste vir alle waentjies* ✓MA = (R1 000 × 8) + R700 + R3 000 ✓MA = R11 700 ✓CA Total income after refund / *Totale inkomste na terugbetaling* = R11 700 – R7 000 ✓MCA = R4 700 ✓CA Statement NOT VALID / *Bewering is NIE GELDIG NIE.*✓O	 1MA multiplying values 1A simplification 1CA simplification 1MCA subtracting R7 000 1CA simplification 1O conclusion **OF/*OR*** 1MA multiplying values 1CA simplification 1A simplification 1MCA adding R1 000 1CA simplification 1O conclusion **OF / *OR*** 1MA multiplying values 1MA adding values 1CA simplification 1MCA subtracting R7 000 1CA simplification 1O conclusion (6)	F L4 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 4.1.3(b)	Labour cost / *Arbeidskoste* = R480 × 2 ✓MA = R960 ✓CA Total cost / *Totale koste* = R960 + R242 = R1 202 ✓CA The deposit of R1 000 will not be sufficient /*Die deposito van R1 000 sal nie voldoende wees nie.* ✓O **OR / *OF*** Remaining amount / *Oorblywende bedrag* = R1 000 – R480 ✓A – R480 – R242 ✓MCA = – R202 ✓CA The deposit of R1 000 will not be sufficient /*Die deposito van R1 000 sal nie voldoende wees nie.* ✓O	 1MA multiplying by 2 1CA simplification 1CA simplification 1O conclusion **OR / *OF*** 1A R480 1MCA subtracting values 1CA simplification 1O conclusion (4)	F L4 M
4.2.1	Value of V / *Waarde van V* = 25 593 ÷ 39 279 ✓MA = 0,651569541 ✓CA = 0,652 ✓R **OR / *OF*** 39 279 Vendors : R25 593 million 1 Vendor : ? $= \frac{1}{39\,279} \times 25\,593$ ✓MA = 0,651569541 ✓CA = 0,652 ✓R	 1MA dividing values 1CA simplification 1R correct rounding **OR / *OF*** 1MA dividing values 1CA simplification 1R correct rounding **AO** (3)	F L2 M

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 4.2.2	Manufacturing / *Vervaardiging* ✓✓A	2A correct sector (2)	D L1 E
* 4.2.3	Mean in R million / *Gemiddeld in R miljoen:* ✓MA $= \frac{(221322 + 73893 + 76826 + 25593 + 29418 + 32458 + 22141)}{7}$ $= \frac{481\,651}{7}$ ✓MA = 68 807,29 ✓CA	1MA adding values 1MA concept of mean 1CA simplify **NPU** (3)	D L2 M
4.2.4(a)	✓RT 2 658 15 258 33 825 39 279 46 901 86 610 197 178 ✓A	1RT all correct values 1A ascending order (2)	D L1 E
4.2.4(b)	Inter–quartile range (IQR) = Q3 – Q1 2 658 **15 258** 33 825 (39 279) 46 901 86 610 197 178 Q1 = 15 258 ✓A IQR = 86 610 – 15 258 ✓MCA IQR = 71 352 ✓CA	**CA from Question 4.2.4a** 1A 15 258 1MCA subtracting values 1CA simplification (3)	D L3 E
		[28]	

QUESTION/*VRAAG* 5 [30 MARKS/*PUNTE*]			
Q/*V*	**Solution/*Oplossing***	**Explanation/*Verduideliking***	**T&L**
5.1.1	Total maintenance cover for option B / *Totale onderhouds-dekking vir opsie B* ✓RT = £24 × 48 = £1 152 ✓CA	 1RT £24 1CA simplification **AO** (2)	F L1 E
5.1.2(a)	✓✓O The deposit and first-month instalment is much lower / *Die deposito en paaiement vir die eerste maand is heelwat laer.* **OR / *OF*** Option A has a smaller deposit / *Opsie A het 'n kleiner deposito.*✓✓O	 2O reason (2)	F L4 E
5.1.2(b)	Total price excluding VAT / *Totale prys BTW uitgesluit* ✓RT ✓A ✓A £1 173,66 + (£195,61 × 47) + (£25,36 × 48) = £1 173,66 + £ 9 193,67 + £ 1 217,28 ✓MCA = £ 11 584,61 excl VAT ✓CA Total price including VAT / *Totale prys BTW ingesluit* ✓MCA $= £11\,584,61 \times \frac{120}{100}$ £11 584,61 × 1,2 = £13 901,53 ✓CA **OR / *OF***	 1RT correct values 1A 47 instalments 1A 48 insurance payments 1MCA adding all values 1CA total excl VAT 1MCA calculating VAT 1CA total including VAT **OR / *OF***	F L3 D

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
5.1.2(b)	Total price excluding VAT / *Totale prys BTW uitgesluit* ✓RT ✓MA ✓MA £1 173,66 + (£195,61 × 47) + (£25,36 × 48) = £1 173,66 + £ 9 193,67 + £ 1 217,28 ✓MCA = £ 11 584,61 excl VAT ✓CA VAT amount / *BTW bedrag* = £11 584,61 × $\frac{20}{100}$ ✓MCA = £2 316,92 Total price including VAT / Totale prys BTW ingesluit = £11 584,61 + £2 316,92 = £13 901,53 ✓CA **OR / *OF*** Deposit and first instalment incl VAT / *Deposito en eerste paaiement BTW ingsl* ✓RT = £1 173,66 × 1,2 ✓MA = £1 408,39 ✓CA Balance of instalments incl VAT / *Balans van paaiemente BTW ingsl* = £195,61 × 1,2 × 47 ✓A = £11 032,40 Maintenance amount incl VAT / *Instandhoudingskoste BTW ingesl* = £25,36 × 1,2 × 48 ✓A = £1 460,74 Total / *Totaal* = £1 408,39 + £11 032,40 + £1 460,74 ✓MCA = £13 901,53 ✓CA	1RT £1 173,66 1MA 47 instalments 1MA 48 insurance payments 1MCA adding all values 1CA total excl VAT 1MCA calculating VAT 1CA total including VAT **OR / *OF*** 1RT £1 173,66 1MA calculating VAT 1CA total incl VAT 1A 47 instalments 1A 48 insurance payments 1MCA adding all values 1CA total including VAT (7)	F L3 D

Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 5.1.3	Deposit and first month instalment / *Deposito en eerste maand se paaiement* = £1 173,66 ✓RT Amount in rand / *Bedrag in rand* $=\frac{£1\,173,66}{0,043}$ ✓MA = R27 294,4186 = R27 294,42 ✓CA Amount in CHF / *Bedrag in CHF* $=\frac{R27\,294,42}{R20,48}$ ✓MCA = CHF 1 332,74 ✓CA **OR / *OF*** = R27 294,42 × 0,049 = CHF 1 337,43 **OR/*OF*** Deposit and first month instalment / *Deposito en eerste maand se paaiement* = £1 173,66 ✓RT Amount in rand / *Bedrag in rand* = £1 173,66 × R23,20 ✓MA = R27 228,91 ✓CA Amount in CHF / *Bedrag in CHF* $=\frac{R27\,228,91}{R20,48}$ ✓MCA = CHF 1 329,54 ✓CA **OR / *OF*** = R27 228,91 × 0,049 = CHF 1 334,22 **OR/*OF***	1RT £1 173,66 1MA exchange rate 1CA simplification 1MCA exchange rate 1CA simplification **OR/*OF*** 1RT £1 173,66 1MA exchange rate 1CA simplification 1MCA exchange rate 1CA simplification **OR/*OF***	F L3 F

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 5.1.3	Deposit and first month instalment / *Deposito en eerste maand se paaiement* = £1 173,66 ✓RT Conversion rate £ to CHF / *Omskakelingsfaktor £ tot CHF* £1 = R23,20 CHF 1 = R20,48 ✓MA £1 = CHF 1,1328125 ✓CA £1 173,66 = 1 173,66 × 1,1328125 ✓MCA = CHF 1 329,54 ✓CA	 1RT £1 173,66 1MA identifying values 1CA simplification 1MCA exchange rate 1CA simplification (5)	F L3 F
5.2.1	Inflation rate for September / *Inflasiekoers vir September* $2,1 = \frac{2,2+2,2+2,3+C}{4}$ ✓MA $2,1 = \frac{6,7+C}{4}$ ✓MA 2,1 × 4 = 6,7 + C **C** = 8,4% – 6,7% = 1,7% ✓CA **OR / *OF*** Sum of 4 values / *Som van al die waardes* = 2,1 × 4 ✓MA = 8,4% Value of C / *Waarde van C* **C** = 8,4% – 6,7% ✓MA = 1,7% ✓CA	 1MA concept of mean 1MA adding all values 1CA simplification **OR / *OF*** 1MA multiply by 4 1MA subtracting values 1CA simplification **AO** (3)	F L3 D

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Q/*V*	Solution/*Oplossing*	Explanation/*Verduideliking*	T&L
* 5.2.2	Difference / *Verskil* ✓A ✓RT = (£1,45 – £1,42) × 40 ℓ ✓MA = £1,20 ✓CA Her statement is NOT VALID / *Haar bewering is NIE GELDIG NIE.* ✓O **OR / *OF*** ✓A ✓RT = (£1,45 × 40) – (£1,42 ×40) = £58 – £56,80 ✓MA = £1,20 ✓CA Her statement is NOT VALID / *Haar bewering is NIE GELDIG NIE.* ✓O	1A 1,45 1RT (from graph: 1,41–1,43) 1MA multiply difference with capacity 1CA simplification 1O conclusion **OR / *OF*** 1A 1,45 1RT (from graph: 1,41–1,43) 1MA subtracting full tank 1CA simplification 1O conclusion (5)	F L4 M
5.2.3	Petrol price for June / *Petrolprys vir Junie* ✓RT $= £1,45 \times \frac{100}{102,2}$ ✓MA $= \frac{£1,45}{1,022}$ = £1,42 ✓CA	**CA from Question 5.2.2** 1RT £1,45 1MA percentage calculation 1CA simplification **AO** (3)	F L3 M
* 5.2.4	It remains the same (constant) for July to August / ✓A *Dit bly dieselfde (konstant) vanaf Julie tot Augustus.* It decreases from August to September / ✓A *Dit neem af vanaf Augustus tot September.* It increases from September to October / ✓A *Dit neem toe vanaf September tot Oktober.*	1A remains the same (**CA from Question 5.2.1)** 1A decreases 1A increases (3)	D L4 E
		[30]	
		TOTAL / *TOTAAL*: 150	

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