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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 VI

2022

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 |
| 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 |
| AO | Answer only/Slegs antwoord |
| MCA | Method with consistent accuracy/Metode met volgehoue akkuraatheid |
| RCA | Rounding consistent with accuracy/Afronding met volgehoue akkuraatheid |
| * | Refer to Notes/Verwys na notas |

**These marking guidelines consist of 15 pages and 2 pages of notes
Hierdie nasienriglyne bestaan uit 15 bladsye en 2 bladsye 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.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra item presented.

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 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.

| QUESTION/VRAAG 1 [32 MARKS/PUNTE] ANSWER ONLY FULL MARKS | | | |
|--|--|---|---------|
| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
| 1.1.1 | Cost of 1 yoghurt/ <i>Koste van 1 jogurt</i> ✓RT $= R10,99 \div 6$ ✓MA $= R1,83$ | 1RT correct values 1MA dividing by 6 (2) | F L1 |
| *1.1.2 | Number of apples per bag/ <i>Aantal appels per sak</i> $= R22,99 \div R2,87$ ✓MA $= 8,01$ $= 8$ ✓A | 1MA dividing correct values 1A simplification (2) | F L1 |
| 1.1.3 | Total cost in rand per lunch pack/ <i>Totale koste in rand per kospakkie</i> ✓RT ✓M $= R5,63 + R3,54 + R2,87 + R1,83 + R1,57 + R1,55 + R1,37$ $= R18,36$ | 1RT all correct values 1M adding correct values (2) | F L1 |
| 1.1.4 | Selling price of ONE lunch pack/ <i>Verkoopprijs van EEN kospakkie</i> ✓MA $= R18,36 + R16,64$ $= R35,00$ ✓A | 1MA adding correct values 1A simplification (2) | F L1 |
| *1.1.5 | Profit is the difference between the Selling price and the Cost price Yvette makes when selling the lunch packs/ <i>Wins is die verskil tussen die verkoopprijs en die kosprys wat Yvette maak deurdat sy kospakkies verkoop.</i> ✓✓A | 2A difference between SP and CP (2) | F L1 |

| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
|--------|---|--|---------|
| *1.1.6 | \checkmark RT $135 : 85 \quad \checkmark$ MA $27 : 17 \quad \checkmark$ MCA | 1RT correct values 1MA values in correct order. 1MCA simplification <div style="border: 1px solid black; padding: 2px; display: inline-block;">MCA if order is correct</div> (3) | F L1 |
| 1.2.1 | Tree diagram/ <i>Boomdiagram</i> $\checkmark\checkmark$ A | 2A tree diagram (2) | P L1 |
| 1.2.2 | (a) Brown Bread/ <i>Bruinbrood</i> $\checkmark\checkmark$ A (b) RT $\checkmark\checkmark$ A | 2A correct option 2A correct outcome (4) | P L1 |
| 1.2.3 | 6 $\checkmark\checkmark$ A | 2A correct number (2) | P L1 |
| *1.2.4 | 2 $\checkmark\checkmark$ A | 2A correct number (2) | P L1 |
| 1.3.1 | Box-and-whisker / <i>Mond-en-snor, Houer-en-punt</i> $\checkmark\checkmark$ A | 2A correct name (2) | D L1 |
| 1.3.2 | Inter-Quartile Range/ <i>Interkwartielomvang</i> $\checkmark\checkmark$ A | 2A explanation (2) | D L1 |
| *1.3.3 | 270 $\checkmark\checkmark$ RT | 2RT correct value (2) | D L1 |
| *1.3.4 | Difference/ <i>Verskil</i> \checkmark RT $= 440 - 140 \quad \checkmark$ RT $= 300 \quad \checkmark$ CA | 1RT correct value 1RT correct value 1CA simplification <div style="border: 1px solid black; padding: 2px; display: inline-block;">CA if one value is correct and subtracting</div> (3) | D L1 |
| | | [32] | |

| QUESTION/VRAAG 2 [32 MARKS/PUNTE] | | | |
|-----------------------------------|---|--|---------|
| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
| 2.1.1 | BGD 0016 ✓✓A | 2A correct reference number AO (2) | F L1 |
| 2.1.2 | Easier to read numbers on long bank statements OR to identify which clients have made payments to their accounts OR convenience OR filing purposes/ ✓✓A <i>Makliker om getalle te lees op lang bankstate OF om die kliente te identifiseer wie die paaieimente na hulle rekeninge gemaak het OF gemak OF liasering doeleindes</i> | 2A correct explanation (2) | F L4 |
| *2.1.3 | A = R3 205,51 – R3 206,00 ✓MA = – R0,49 ✓A OR/OF A = R1 498,14 – R1 498,63 ✓MA = - R0, 49 ✓A | 1MA subtracting correct values 1A simplification OR/OF 1MA subtracting correct values 1A simplification AO (2) | F L1 |
| 2.1.4 | Total amount due excluding VAT/ <i>Totale bedrag betaalbaar BTW uitgesluit</i> $= R2\ 340,73 \times \frac{100}{115}$ ✓MA = R2 035,42 ✓A OR/OF $= R2\ 340,73 \div 1,15$ ✓MA = R2 035,42 ✓A OR/OF VAT amount = $R2\ 340,73 \times \frac{15}{115}$ = R305,31 ✓MA Total amount excluding VAT = R2 340,73 – R305,31 = R2 035,42 ✓A | 1MA multiplying by $\frac{100}{115}$ 1A simplification OR/OF 1MA dividing by 1,15 1A simplification OR/OF 1MA calculating VAT 1A calculating amount before VAT (2) | F L2 |

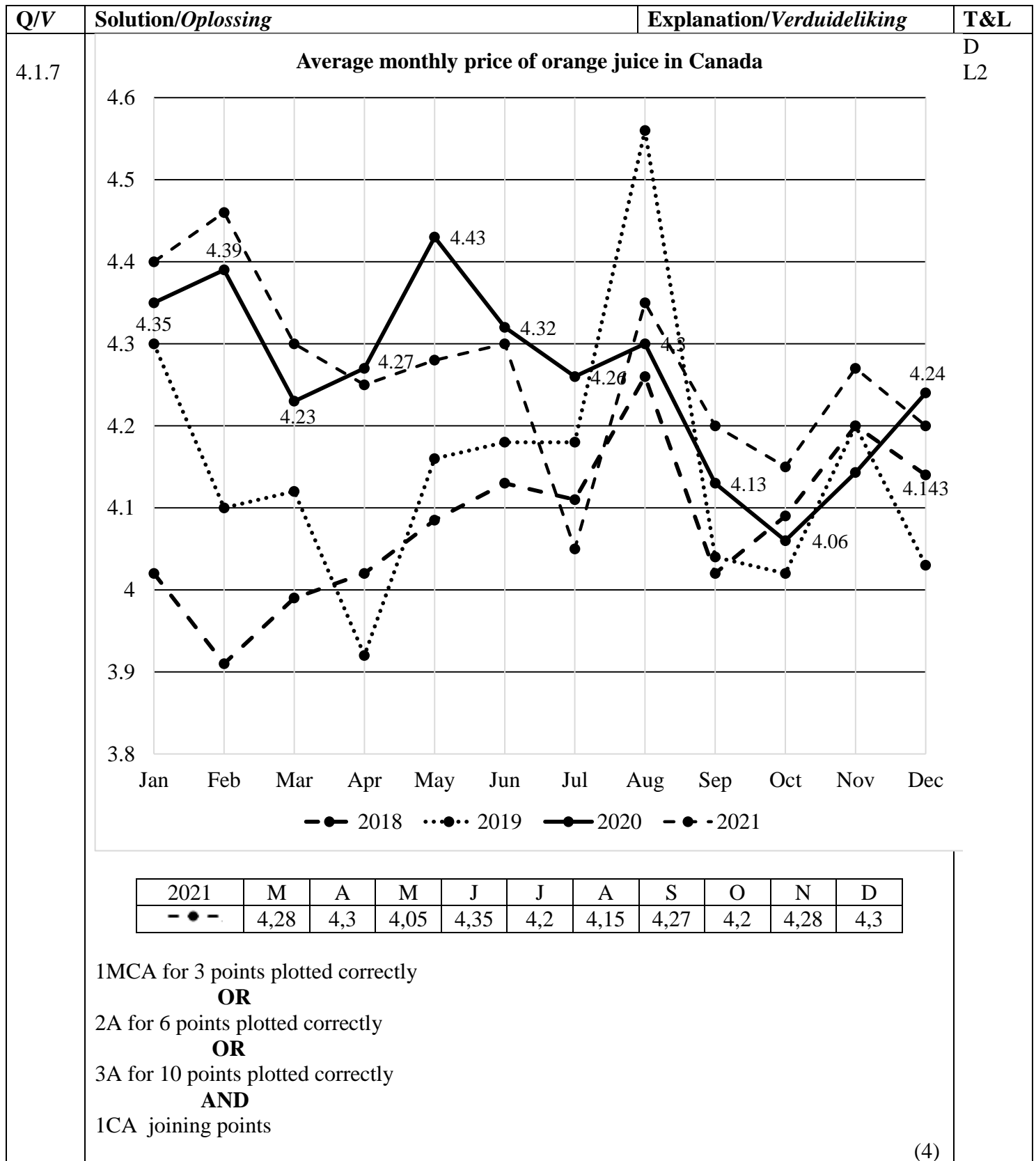
| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
|--------|---|--|---------|
| 2.1.5 | <p>Percentage/Persentasie</p> $\begin{aligned} & \checkmark \text{RT} \\ & = \frac{\text{R1 498,63}}{\text{R2 340,73}} \times 100\% \\ & = 64,02304378 \% \quad \checkmark \text{CA} \\ & = 64,02 \% \quad \checkmark \text{R} \end{aligned}$ | <p>1RT correct levy</p> <p>1RT correct denominator</p> <p>1CA simplification</p> <div style="border: 1px solid black; padding: 2px;">CA if one value is correct</div> <p>1R rounding</p> <p>(4)</p> | F L2 |
| *2.1.6 | <p>All electronic bank payments OR All Bank Deposits OR Cheques $\checkmark \checkmark \text{A}$ <i>Alle elektroniese bank betalings OF Alle bank depositos OF Tjeks</i></p> | <p>2A correct option</p> <p>(2)</p> | F L1 |
| 2.1.7 | <p>Total amount collected/Totale bedrag gekollekteer</p> $\begin{aligned} & \checkmark \text{RT} \\ & = 49 \times \text{R30,90} \quad \checkmark \text{MA} \\ & = \text{R1 514,10} \quad \checkmark \text{CA} \end{aligned}$ | <p>1RT identifying correct levy</p> <p>1MA multiplying correct values</p> <p>1CA simplification</p> <div style="border: 1px solid black; padding: 2px;">correct calculation using the standard levy</div> <p>(3)</p> | F L2 |
| *2.1.8 | <p>Standard Levy increase/Standaard heffings verhooging</p> $\begin{aligned} & = \text{R1 498,63} \times 6,45\% \quad \checkmark \text{MA} \\ & = \text{R96,661635} \\ & = \text{R96,66} \quad \checkmark \text{CA} \end{aligned}$ <p>Standard Levy after increase/ Standaard heffings na verhooging</p> $\begin{aligned} & = \text{R1 498,63} + \text{R96,66} \quad \checkmark \text{MCA} \\ & = \text{R1 595,29} \quad \checkmark \text{CA} \\ & \text{(Accept R1 595,30)} \end{aligned}$ <p style="text-align: center;">OR/OF</p> $\begin{aligned} & \checkmark \text{A} \\ & = \text{R1 498,63} \times \frac{106,45}{100} \quad \checkmark \text{M} \\ & = \text{R1 595,29} \quad \checkmark \text{CA} \\ & \text{(Accept R1 595,30)} \end{aligned}$ | <p>1MA correct value multiplied by 6,45%</p> <p>1CA simplification</p> <p>1MCA adding the increase</p> <p>1CA simplification</p> <p style="text-align: center;">OR/OF</p> <p>1A calculating 106,45%</p> <p>1M multiplying by 106,45%</p> <p>1M dividing by 100</p> <p>1CA simplification</p> <p>(4)</p> | F L2 |

| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
|-------|---|---|----------------------|
| 2.2.1 | Transport fee annually/ <i>Jaarlikse vervoerkoste</i> \checkmark MA $= 2 \times R929,00 \times 11$ \checkmark MA $= R20\,438,00$ \checkmark CA | 1MA multiplying R929,00 by 2 1MA multiplying by 11 1CA simplification (3) | F L2 |
| 2.2.2 | After care for/nasorg vir 2: $R7\,700 \times 2 = R15\,400$ \checkmark A School fees 2 nd child with 10% discount: <i>Skoolfooie vir 2de kind met 10%-afslag</i> \checkmark MA $R30\,723 - R3\,072,30 = R27\,650,70$ \checkmark CA Total school fee/Totale skoolfooie $= R30\,723 + R27\,650,70 = R58\,373,70$ \checkmark CA Discount for paying early/Afslag vir vroeg betaling \checkmark MA $= 7,5\% \times R58\,373,70$ $= R4\,378,03$ School fee payable/ <i>Skoolfooie betaalbaar</i> $= R58\,373,70 - R4\,378,03 = R53\,995,67$ \checkmark CA Total spent by parent/Totaal Spandeer deur ouer: After care + School fees+ Transport <i>Nasorg + Skoolfooie + Vervoer</i> $= R15\,400 + R53\,995,67 + R20\,438$ \checkmark M $= R89\,833,67$ \checkmark CA | CA from Question 2.2.1 1A after care fee 1MA calculating discount 1CA discounted School Fees by 10% 1CA total fee 1MA calculating 7,5% 1CA discounted school fees 1M adding all values 1CA total spending <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Aftercare: 1 mark 2nd learner fees: 2 marks Total fees – discount: 3 marks Adding and total: 2 marks </div> (8) | F L3 TR |
| | | [32] | |

| QUESTION/VRAAG 3 [21 MARKS/PUNTE] | | | |
|--|--|---|----------------------|
| Q/V | Solution/Oplissing | Explanation/Verduideliking | T&L |
| 3.1.1 | Northern Cape (NC) /Noord-Kaap (NK) ✓✓RT | 2RT correct answer (2) | D L1 |
| *3.1.2 | Estimated Total(Eastern Cape)/Geskatte Totaal(Oos-Kaap) ✓RT ✓MA (3 050 + 6 513 + 1 991) thousands/duisende = 11 554 000 ✓CA | 1RT correctly estimated values 1MA adding values 1CA answer in correct format CA two correct values in thousands Penalty for omitting thousands = 2/3 marks AO (3) | D L1 |
| 3.1.3 | <p>✓C $2\,400,444 = \frac{2\,545+5\,182+4\,330+6\,513+628+1\,527+A+84+596}{9}$ ✓A $A + 21\,405 = 2\,400,444 \times 9$ ✓MA ✓MCA $A = 21\,603,996 - 21\,405$ $= 198,996$ ✓CA His assumption is valid/Sy aanname is geldig ✓O</p> <p style="text-align: center;">OR/OF</p> <p> ✓M $2\,400\,444 \times 9$ provinces/provinsies $= 21\,603\,996$ ✓MCA $= 21\,603,996$ thousand/duisend ✓C ✓MCA ✓A $A = 21\,603,996 - (2\,545+5\,182+4\,330+6\,513+628+1\,527+84+596)$ $= 198,996$ ✓CA His assumption is valid/Sy aanname is geldig ✓O</p> | <p>1M concept of mean 1C converting to table values 1A adding table values 1MA multiplying by 9 1MCA simplification 1CA simplification 1O conclusion OR/OF 1M multiplying by 9 1MCA simplification 1C converting to table values 1MCA subtracting 1A adding rest of values 1CA simplification 1O conclusion (7)</p> | D L4 TR |
| 3.2.1 | Numerical data/Numeriese Data ✓✓A | 2A correct answer (2) | D L1 |
| 3.2.2 | A = 25% – (5 + 2 + 2)% ✓MA = 16% ✓CA | 1MA subtracting correct value 1CA simplification AO (2) | D L2 |

| Q/V | Solution/Oplissing | Explanation/Verduideliking | T&L |
|-------|---|--|---------|
| 3.2.3 | Horticulture/Tuinbou $= 27\% \times \text{R}317,6 \text{ billion/miljard} \checkmark \text{MA}$ $= \text{R}85,752 \text{ billion/miljard} \checkmark \text{CA}$ $= \text{R } 85 \text{ 752 million/miljoen} \checkmark \text{C}$ | 1MA calculating % 1CA simplification 1C converting to million (3) | D L2 |
| 3.2.4 | South Africa has other livestock like goats and pigs whose percentage is <u>very small</u> / <i>Suid Afrika het ander vee soos bokke en varke wie se persentasie <u>baie klein</u> is.</i> <p style="text-align: center;">OR/OF</p> Any other poultry that the percentage is <u>to small</u> / <i>Enige ander pluimvee wat se persentasie <u>te klein</u> is</i> | 2A correct answer (2) | D L4 |
| | | [21] | |

| QUESTION/VRAAG 4 [32 MARKS/PUNTE] | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|-------|------|------|------|--|---------|-------|------|------|------|------|-----|------|------|------|------|---|---------|
| Q/V | Solution/Oplossing | | | | | Explanation/Verduideliking | T&L | | | | | | | | | | | | |
| 4.1.1 | February/Februarie 2019 CAD 4,10 ✓RT January/Januarie 2019 <u>-CAD 4,30</u> ✓M Hence cost/Gevolgtlik kos CAD 0,20 less/minder ✓A | | | | | 1RT correct values 1M subtracting 1A simplification (3) | D L2 | | | | | | | | | | | | |
| 4.1.2 | ✓RT ✓RT February/Februarie 2018 OR/OF ✓RT 02/2018 ✓RT | | | | | 1RT correct month 1RT correct year (2) | D L2 | | | | | | | | | | | | |
| *4.1.3 | November 2018 ✓RT November 2019 ✓RT OR/OF 11/2018 ✓RT 11/2019 ✓RT OR/OF ✓RT November 2018 and 2019 ✓RT | | | | | 1RT correct month 1RT correct years (2) | D L2 | | | | | | | | | | | | |
| *4.1.4 | <table border="1"><tr><td>4,06</td><td>4,13</td><td>4,143</td><td>4,23</td><td>4,24</td><td>4,26</td></tr><tr><td>4,27</td><td>4,3</td><td>4,32</td><td>4,35</td><td>4,39</td><td>4,43</td></tr></table> ✓A ✓RT Median/Mediaan = $\frac{4,26 + 4,27}{2}$ ✓M Median/Mediaan = CAD 4,265 ✓A | | | | | 4,06 | 4,13 | 4,143 | 4,23 | 4,24 | 4,26 | 4,27 | 4,3 | 4,32 | 4,35 | 4,39 | 4,43 | 1A arranging in order 1RT correctly middle values 1M concept of median (÷2) 1A simplification (4) | D L3 |
| 4,06 | 4,13 | 4,143 | 4,23 | 4,24 | 4,26 | | | | | | | | | | | | | | |
| 4,27 | 4,3 | 4,32 | 4,35 | 4,39 | 4,43 | | | | | | | | | | | | | | |
| *4.1.5 | The price <u>increases steadily</u> until it reaches June, thereafter it <u>decreases slightly</u> /Die prys <u>verhoog geleidelik</u> totdat dit Junie bereik, waarna dit <u>effens afneem</u> . ✓A | | | | | 1A increase 1A indicate decrease (2) | D L4 | | | | | | | | | | | | |
| *4.1.6 | Price for March 2021/Prys vir Maart 2021 CAD4,46 - CAD0,16 =CAD4,30 ✓A Percentage Increase/Persentasie toename ✓MCA ✓A $= \frac{4,30 - 4,23}{4,23} \times 100\%$ = 1,65% ✓CA | | | | | 1A finding price of March 1MCA substituting new value 1A substituting old value 1A denominator 1CA simplification <div>No penalty for unit</div> (5) | D L3 | | | | | | | | | | | | |



(4)

| Q/V | Solution/Oplissing | Explanation/Verduideliking | T&L |
|-----|--|--|---------------|
| 4.2 | <p><u>Cape Town/Kaapstad</u></p> <p>Fixed Monthly/<i>Vaste maandelikse koste</i> = R104,50 ✓RT</p> <p>6 kℓ × R15,10 } 4,5 kℓ × R20,75 } ✓RT 24,5 kℓ × R28,20 } 10 kℓ × R52,04 }</p> <p>= R 90,60 = R 93,38 = R690,90 = <u>R520,40</u> = <u>R1499,78</u> ✓CA</p> <p><u>Ekurhuleni</u></p> <p>Fixed Monthly/<i>Vaste maandelikse koste</i> = R0,00</p> <p>6 kℓ × R13,50 } 9 kℓ × R22,24 } ✓RT 15 kℓ × R27,24 } 15 kℓ × R33,90 }</p> <p>= R81,00 = R200,16 = R408,60 = <u>R508,50</u> = <u>R1198,26</u> ✓CA</p> <p>Difference per month/<i>Verskil per maand</i>: R1499,78 – R1198,26 = R301,52 ✓MCA</p> <p>Difference per year/<i>Verskil per jaar</i>: R301,52 × 12 = R3618,24 ✓MCA</p> <p>He is incorrect/<i>Hy is nie korrek nie.</i> ✓O</p> | <p>1RT fixed monthly 1RT using correct values 1S calculating tariffs 1CA finding total cost</p> <p>1RT using correct values 1S calculating tariffs 1CA finding total cost</p> <p>1MCA finding monthly difference</p> <p>1MCA finding yearly difference 1O correct conclusion</p> <p>(10)</p> | F L4 TR |
| | | [32] | |

| QUESTION/VRAAG 5 [33 MARKS/PUNTE] | | | |
|-----------------------------------|--|---|---------|
| Q/V | Solution/Oplissing | Explanation/Verduideliking | T&L |
| 5.1.1 | Three million, four hundred and fifty seven thousand, nine hundred and twenty rand/ ✓✓A <i>Drie miljoen vier honderd sewe en vyftig duisend nege honderd en twintig rand.</i> | 2A correct answer (2) | F L1 |
| 5.1.2 | $\frac{1}{3}$ withdrawal/ontrek $= \frac{1}{3} \times R3\,457\,920$ ✓MA $= R1\,152\,640$ ✓A | 1MA multiplying by fraction 1A simplification AO (2) | F L1 |
| 5.1.3 (a) | Tax/Belasting $R130\,500 + 36\%$ of taxable income above 1 050 000 ✓A <i>van belasbare inkomste</i> $R130\,500 + 36\% (R3\,457\,920,00 - R1\,050\,000,00)$ ✓SF $R130\,500 + (36\% \times R2\,407\,920)$ ✓S $R130\,500 + R866\,851,20$ ✓MCA $= R997\,351,20$ ✓CA Her statement is not correct/ <i>Haar bewering is nie korrek nie.</i> ✓O | 1A correct tax bracket 1SF correct substitution 1S simplification 1MCA simplification 1CA simplification 1O not correct (6) | F L4 |

| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
|--------------|---|--|---------|
| 5.1.3 (b) | <p>Loan amount/<i>Lening bedrag</i> $\checkmark A$ $= R3\,457\,920,00 \div 9,8798 \quad \checkmark MA$ $= R349\,998,99 \quad \checkmark CA$ $= R350\,000,00$ OR/OF R350 thousand/<i>duisend</i> $\checkmark R$</p> <p style="text-align: center;">OR/OF</p> <p>Loan amount/<i>Lening bedrag</i> = L</p> $\frac{9,8798}{1} = \frac{3\,457\,920}{L} \quad \checkmark A$ $L = \frac{3\,457\,920}{9,8798} \quad \checkmark MA$ $= R349\,998,99 \quad \checkmark CA$ $= R350\,000,00$ OR/OF R350 thousand/ <i>duisend</i> $\checkmark R$ | <p>1A using correct values 1MA dividing by 9,8798</p> <p>1CA simplification</p> <p>1R rounded to nearest 1 000</p> <p style="text-align: center;">OR/OF</p> <p>1A using correct values</p> <p>1MA dividing by 9,8798</p> <p>1CA simplification</p> <p>1R rounded to nearest 1 000 (4)</p> | F L3 |
| 5.1.3 (c) | <p>Total interest/<i>Totale rente</i></p> $= R350\,000 \times \frac{7,8}{100} \times 3 \quad \checkmark MA$ $= R\,81\,900 \quad \checkmark MCA$ <p>Total amount/<i>Totale bedrag</i> $= R81\,900 + R350\,000 \quad \checkmark MCA$ $= R431\,900 \quad \checkmark CA$</p> | <p>CA from Question 5.1.3(b)</p> <p>1MA multiply by % and 3</p> <p>1MCA simplification <div style="border: 1px solid black; padding: 2px; display: inline-block;">At least two correct values</div></p> <p>1MCA adding values 1CA simplification (4)</p> | F L2 |

| Q/V | Solution/Oplissing | Explanation/Verduideliking | T&L |
|--------|--|--|---------------|
| 5.2.1 | <p>Determine the exchange rate/<i>Bepaal die wisselkoers</i></p> <p>0,0969907 NZD = 1 ZAR ✓RT 0,0581765 € = 1 ZAR ✓RT</p> <p>$\therefore \frac{0,0969907 \text{ NZD}}{0,0969907} = \frac{0,0581765 \text{ €}}{0,0969907}$ ✓M $\therefore 1 \text{ NZD} = 0,59981524 \text{ €}$ ✓CA</p> | <p>1RT correct exchange rate 1RT correct exchange rate</p> <p>1M dividing by exchange rate 1CA simplification</p> <p>(4)</p> | F L2 |
| *5.2.2 | <p>Total cost/<i>Totale koste</i></p> <p>0,0969907 NZD = 1 ZAR 0,0581765 € = 1 ZAR</p> <p>Skilled migrant visa/<i>Geskoolde migrante visa</i></p> <p>$= \frac{2\,093}{0,0581765} \times 1$ ✓MA = R35 976,726 = R35 976,73 ✓A</p> <p>Visa for entrepreneurs/<i>Visa vir entrepreneurs</i></p> <p>$= \frac{4\,745}{0,0969907} \times 1$ ✓MA = R48 922,21625 = R48 922,22 ✓A</p> <p>= R35 976,73 + R48 922,22 ✓MCA = R84 898,95 ≈ R84 900 ✓R</p> | <p>1MA dividing by exchange rate 1A simplification</p> <p>1MA dividing by exchange rate 1A simplification</p> <p>1MCA adding values 1R simplification NP for early rounding</p> <p>(6)</p> | F L3 TR |

| Q/V | Solution/Oplossing | Explanation/Verduideliking | T&L |
|-------|---|---|-----------------|
| 5.3.1 | <p>Graph/Grafiek A ✓A</p> <p>As the months go by it costs less Chinese yen to buy one US dollar OR The scale on the vertical axis was manipulated to show a steeper decline/ ✓✓O <i>Soos die maande verby gaan kos dit minder jen om een VSA dollar te koop OF Die skaal van die vertikale as was gemanipuleer om 'n skerper afname te toon.</i></p> | <p>1A Graph A</p> <p>2O correct reason</p> <p>(3)</p> | <p>D L4</p> |
| 5.3.2 | <p>Using a different scale. <i>Deur gebruik te maak van 'n ander skaal.</i> ✓✓O</p> | <p>2O correct reason</p> <p>(2)</p> | <p>D L4</p> |
| | | [33] | |
| | TOTAL/TOTAAL: 150 | | |

NOTES:

Level 4 Questions: Calculations must be evident in order to award the conclusion/opinion mark. When rounding it must be correctly rounded to a minimum of 2 decimal places unless stated otherwise. In Level 3 and Level 4 type Questions correct early rounding will not be penalised.

QUESTION 1

| | |
|-------------------|---|
| 1.1.2 | Accept: $R22,99 \div 8 = R2,87$ Therefore, there are 8 apples Accept reverse calculation i.e. $R2,87 \times 8 = R22,99$ |
| 1.1.5 | Cover expenses and still able to make extra = 2 marks |
| 1.1.6 | Unit Ratio = 3 marks $\frac{135}{135} : \frac{85}{135}$ $1 : 0,629629629$ OR $\frac{135}{85} : \frac{85}{85}$ $1,588235294 : 1$ Accept accurate reverse calculation |
| 1.2.4 | If answer is 3 = 1/2 marks $3/6 = 0$ marks $2/4 = 1/2$ marks |
| 1.3.3 | If calculated = 2 marks If the median of store B (245) used = 1/2 marks |
| 1.3.4 | Use Store A = 1/3 marks (CA) |
| QUESTION 2 | |
| 2.1.3 | If a positive R0,49 is given = 1/2 marks |
| 2.1.6 | Acceptable examples: Bank deposit EFT – card swipe Debit order Stop order Internal Transfer |
| 2.1.8 | Any other value from addendum $\times 6,45\% = 3/4$ marks |
| QUESTION 3 | |
| 3.1.2 | AO - 11 554 = 2/3 marks |

QUESTION 4

4.1.3 As the question is indicated (wording) the following can also be accepted:

1) Sept 2018 and Oct 2019

2) Nov 2020 and Dec 2018

3) Jan 2019 and Aug 2020

= 1/2 marks

4.1.4 Must show 4,265 in order to get the mark for 4,27

4.1.5 Steadily increasing to June then decline in July month = full marks

Upward trend and downward trend = 1/2 marks

4.1.6 Candidates left out % sign. Awarded full marks. Percentage is implied in “percentage increase”

QUESTION 5

5.2.2 No penalty for early rounding:

= R36 000 + R48 900

≈ R84 900

If multiplying and adding (the same unit) = 2/6 marks (MCA;R)