

# Soek jy 'n fantastiese tutor?

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# basic education

Department:  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

**SENIOR CERTIFICATE/SENIOR SERTIFIKAAT  
NATIONAL SENIOR CERTIFICATE/  
NASIONALE SENIOR SERTIFIKAAT**

**GRADE/GRAAD 12**

**MATHEMATICAL LITERACY P2/  
WISKUNDIGE GELETTERDHEID V2**

**NOVEMBER 2020**

**MARKING GUIDELINES/NASIENRIGLYNE**

**MARKS/PUNTE: 150**

<b>Symbol/Kode</b>	<b>Explanation/Verduideliking</b>
<b>M</b>	Method/Metode
<b>MA</b>	Method with accuracy/Metode met akkuraatheid
<b>CA</b>	Consistent accuracy/Volgehoueakkuraatheid
<b>A</b>	Accuracy/Akkuraatheid
<b>C</b>	Conversion/Herleiding
<b>S</b>	Simplification/Vereenvoudiging
<b>RT</b>	Reading from a table/a graph/document/diagram/Lees vanaftabel/grafiek/diagram
<b>SF</b>	Correct substitution in a formula/Korrektevervanging in formule
<b>O</b>	Opinion/Explanation/Opinie/Verduideliking
<b>P</b>	Penalty, e.g. for no units, incorrect rounding off, etc./Penalisasie, bv. virgeeneenhede/verkeerdeafronding, ens.
<b>R</b>	Rounding off/Afronding
<b>NPR</b>	No penalty for rounding/Geenpenalisasievirafrondingnie
<b>AO</b>	Answer only/Slegsantwoord
<b>MCA</b>	Method with consistent accuracy/Metode met volgehoueakkuraatheid

**These marking guidelines consist of 22 pages.  
Hierdienasienriglynebestaanuit 22 bladsye.**

**NOTE:**

- If a candidate answers a question TWICE, mark only 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 provided at least one of the values is correct; 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 op voorwaarde dat ten minste een van die waardes korrek is, dithou 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/VRAAG1 [39 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.1	Slovakia/Slowakye (diff. 2015 -16): $\begin{array}{r} \checkmark \text{RT} \\ 163\,740 - 161\,906 \\ \hline = 1\,834 \end{array} \quad \checkmark \text{MA} \quad \checkmark \text{CA}$	1 RT correct values 1 MA method of subtraction 1 CA answer (3)	D L2
1.1.2	Range = highest – lowest Omvang = hoogste – kleinste $\begin{array}{r} \checkmark \text{RT} \\ 2\,947\,664 = 2\,970\,436 - N \\ \hline N = 22\,772 \end{array} \quad \checkmark \text{M} \quad \checkmark \text{CA}$	1 M Range concept 1 RT highest value 1 CA simplification AO (3)	D L2
1.1.3	$\begin{array}{ccc} \checkmark \text{O} & & \checkmark \text{O} \\ \text{Number of learners enrolled decreased from 2014/2015/2016} \\ \checkmark \text{O} & & \checkmark \text{O} \\ \text{OR The number of learners decreased every year} \\ \text{Getal ingeskrewe leerders in Griekeland neem vanaf} \\ \text{2014/2015/2016 af} \\ \text{OF Die getal leerder neem jaarliks af} \end{array}$	1 O decrease 1 O time (2)	D L4

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.4	<p>% increase(Turkey)/% verhoging (Turkye)</p> $= \frac{1\,221\,165 - 1\,064\,190}{1\,064\,190} \times 100\% \quad \checkmark M$ $= \frac{156\,975}{1\,064\,190} \times 100\%$ $= 14,75\% \quad \checkmark CA$ <p>% increase(United Kingdom) /% verhoging (Verenigde Koninkryk)</p> $= \frac{2\,248\,162 - 1\,596\,803}{1\,596\,803} \times 100\% \quad \checkmark MA$ $= 40,79\% \quad \checkmark CA$ <p>United Kingdom has the biggest percentage increase/Verenigde Koninkryk het die grootste persentasie verhoging. <math>\checkmark CA</math></p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Turkey: <math>(1\,221\,165 \div 1\,064\,190) \times 100\% \quad \checkmark MA</math></p> $= 114,75\%$ <p>% increase (Turkey) = <math>114,75\% - 100\% \quad \checkmark M</math></p> $= 14,75\% \quad \checkmark CA$ <p style="text-align: center;"><math>\checkmark MA</math></p> <p>(United Kingdom): <math>(2\,248\,162 \div 1\,596\,803) \times 100\%</math></p> $= 140,79\%$ <p>% increase United Kingdom = <math>140,79\% - 100\%</math></p> $= 40,79\% \quad \checkmark CA$ <p>United Kingdom has the biggest percentage increase /Verenigde Koninkryk het die grootste persentasie verhoging. <math>\checkmark CA</math></p>	<p>1M using correct formula 1MA subtracting correct values</p> <p>1CA simplification</p> <p>1MA subtracting correct values</p> <p>1CA simplification as a percentage 1CA county</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA subtracting correct values</p> <p>1M using correct formula 1CA simplification</p> <p>1MA subtracting correct values</p> <p>1CA simplification as a percentage 1CA county <b>NPR</b></p> <p style="text-align: right;">(6)</p>	D L3
1.1.5	<p>Probability (decline 2015-2016) /Waarskynlikheid</p> $= \frac{3}{11} \quad \checkmark A$ $\approx 0,27 \quad \checkmark CA$	<p>1A numerator 1A denominator</p> <p>1CA as decimal <b>NPR</b></p> <p style="text-align: right;">(3)</p>	P L3

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.6	<p>Denmark cost/Denemark koste  <math>= €520,83 \times 284\,655</math> ✓RT  <math>= €148\,256\,863,70</math> ✓A</p> <p>Slovenia cost /Slovenië koste  <math>= €350 \times 85\,407 = €29\,892\,450</math> ✓RT ✓A</p> <p><math>€148\,256\,863,70 : €29\,892\,450</math>  <math>4,959... : 1</math> ✓CA</p> <p>✓O  The statement is NOT VALID/Bewering is NIE GELDIG NIE</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Accept per year or per month /Aanvaar per jaar of per maand</p> <p>2016 Denmark : 2016 Slovenia  <math>284\,655 \times 520,83 \times 12 : 85\,407 \times 350 \times 12</math>  <math>1\,779\,082\,364 : 358\,709\,400</math>  <math>4,959... : 1</math> ✓RT ✓RT ✓A ✓A ✓CA</p> <p>✓O  The statement is NOT VALID/Bewering is NIE GELDIG NIE</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Denmark: <math>€520,83 \times 12 = €6\,249.96</math> per year /per jaar  <math>€6\,249.96 \times 284\,655</math> ✓RT  <math>= €1\,779\,082\,364</math> ✓A</p> <p>Slovenia : <math>€350 \times 12 = €4\,200</math> per year /per jaar  <math>€4\,200 \times 85\,407</math> ✓RT  <math>= €358\,709\,400</math> ✓A</p> <p>Denmark: Slovenia  <math>€1\,779\,082\,364 : €358\,709\,400</math>  <math>(€1\,779\,082\,364 \div €358\,709\,400) : (€358\,709\,400 \div €358\,709\,400)</math> ✓CA  <math>= 4,9596 : 1</math></p> <p>The statement is NOT VALID ✓O</p>	<p>1RT correct values  1A cost</p> <p>1RT correct values  1A cost</p> <p>1CA simplified ratio in correct order</p> <p>1O verification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1RT Denmark values  1RT Slovenia values  1A cost  1A cost  1CA simplified ratio in correct order</p> <p>1O verification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1RT correct values  1A cost</p> <p>1RT correct values  1A cost</p> <p>1CA simplified ratio in correct order</p> <p>1O verification  <b>NPR</b></p>	<p>D  L4</p> <p style="text-align: right;">(6)</p>

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.2.1	<p>Profit/Wins = <math>R30 \times 120\% = R36</math> ✓MA</p> <p>Profit per marble / Wins per albaster = <math>\frac{R36}{100} = R0,36</math> ✓CA</p> <p>Cost price per marble/Kosprys per albaster = <math>\frac{R30}{100} = R0,30</math> ✓A</p> <p>Selling price/Verkoopprys = <math>R0,36 + R0,30 = R0,66</math> per marble/albaster ✓MCA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>R30 per 100 marbles/albasters is 100% ✓MA Profit on 100 marbles to yield 120% per pack Wins op 100 albasters om 120% per pakte gee = <math>\frac{R30 \times 120\%}{100\%}</math> = R36 per pack</p> <p>Price of selling 1 marble is/Verkoopprys per albaster is: <math>\frac{R30 + R36}{100}</math> ✓MCA ✓M = R0,66 ✓CA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Selling price/verkoopprys = <math>R30 \times 220\% = R66</math> ✓MA ✓MCA Price per marble/Prys per albaster = <math>\frac{R66}{100} = R0,66</math> ✓M ✓CA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Price per marble/Prys per albaster = <math>\frac{30}{100} = R0,30</math> ✓MA</p> <p>Selling price/verkoopprys = <math>0,3 \times 2,2 = R0,66</math> ✓M ✓MCA ✓CA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Selling price /verkoopprys = <math>30 \times 2,2 = R66</math> ✓MA ✓MCA</p> <p>Price per marble/Prys per albaster = <math>\frac{66}{100}</math> ✓M ✓CA = R0,66</p>	<p>1MA calculating profit</p> <p>1CA profit per marble</p> <p>1A price per marble</p> <p>1MCA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA calculating profit</p> <p>1MCA cost plus profit 1M dividing by 100</p> <p>1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA calculating % increase 1MCA selling price 1M dividing by 100 1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA dividing by 100</p> <p>1M calculating % increase 1MCA selling price 1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA calculating % increase 1MCA selling price 1M dividing by 100 1CA simplification <b>NPR</b></p>	<p>F L3</p> <p style="text-align: right;">(4)</p>

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.2.2	<p>Radius container/houer = <math>\frac{6,4}{2}</math> ✓C = 3,2 cm ✓MCA</p> <p>Volume of a cylinder/ <i>Volume van 'n silinder</i> = <math>\pi \times \text{radius}^2 \times \text{height}</math> ✓SF = <math>3,142 \times (3,2 \text{ cm})^2 \times 30 \text{ cm}</math> = <math>965,2224 \text{ cm}^3</math> ✓CA</p> <p>Volume of 2 bags of marbles/<i>volume van 2 sakke albasters</i> = <math>2 \times 2 \text{ cm}^3 \times 100</math> ✓MA = <math>400 \text{ cm}^3</math> ✓CA</p> <p>Vol. Water to fill container/<i>Vol. water om houerte vul</i> = <math>965,2224 \text{ cm}^3 - 400 \text{ cm}^3</math> ✓MCA = <math>565,2224 \text{ cm}^3</math> ✓CA <math>\frac{1}{2} \ell = 500 \text{ cm}^3</math></p> <p>Statement is valid/<i>Bewering is geldig</i> ✓O</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Radius of container/houer = <math>\frac{6,4}{2} = 3,2 \text{ cm}</math> ✓C ✓MCA</p> <p>Volume of a cylinder/ <i>Volume van 'n silinder</i> ✓SF = <math>\pi \times \text{radius}^2 \times \text{height} = 3,142 \times 3,2 \text{ cm} \times 3,2 \text{ cm} \times 30 \text{ cm}</math> = <math>965,2224 \text{ cm}^3</math> <b>OR/OF</b> 0,9652224 litres ✓CA</p> <p>Volume of 2 bags of marbles/<i>volume van 2 sakke albasters</i> = <math>2 \times 2 \text{ cm}^3 \times 100</math> ✓MA = <math>400 \text{ cm}^3</math> <b>OR/OF</b> 0,4 litres ✓CA</p> <p>Vol. Water to fill container/<i>Vol. water om houerte vul</i> = <math>965,2224 \text{ cm}^3 - 400 \text{ cm}^3</math> ✓MCA = <math>565,2224 \text{ cm}^3</math> ✓CA <b>OR/OF</b> = <math>0,9652224 \ell - 0,4 \ell = 0,5652224 \ell</math> More than 0,5 ℓ VALID / <i>meer as 0,5 ℓ GELDIG</i> ✓O</p>	<p>1C conversion</p> <p>1MCA finding the radius</p> <p>1SF both radius and height</p> <p>1CA simplification</p> <p>1MA Vol. of total marbles</p> <p>1CA simplification</p> <p>1MCA subtraction</p> <p>1CA simplification</p> <p>1O conclusion</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1C conversion</p> <p>1MCA finding the radius</p> <p>1SF both radius and height</p> <p>1CA simplification</p> <p>1MA Vol. of total marbles</p> <p>1CA simplification</p> <p>1MCA subtraction of volumes</p> <p>1CA simplification</p> <p>1O conclusion</p>	M L4

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR/OF</b></p> <p>Radius of container/houer = <math>\frac{6,4}{2} = 3,2</math> cm ✓C ✓MCA</p> <p>Volume of a cylinder/ <i>Volume van 'n silinder</i>  <math>= \pi \times \text{radius}^2 \times \text{height}</math>  <math>= 3,142 \times 3,2 \text{ cm} \times 3,2 \text{ cm} \times 30 \text{ cm}</math> ✓SF  <math>= 965,2224 \text{ cm}^3</math> <b>OR/ OF</b> 0,9652224 litres ✓CA</p> <p>Volume of 2 bags of marbles/<i>volume van 2 sakke albasters</i> =  <math>2 \times 2 \text{ cm}^3 \times 100</math> ✓MA ✓CA  <math>= 400 \text{ cm}^3</math> <b>OR/OF</b> 0,4 litres</p> <p>✓MCA ✓CA  <math>400 \text{ cm}^3 + 500 \text{ cm}^3 = 900 \text{ cm}^3</math></p> <p>This is less than <math>965,2224 \text{ cm}^3</math> of the cylinder , VALID ✓O  <i>Minder as <math>965,2224 \text{ cm}^3</math> van die silinder, GELDIG</i></p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1C conversion  1MCA finding the radius</p> <p>1SF both radius and height  1CA simplification</p> <p>1MA Vol. of total marbles  1CA simplification</p> <p>1MCA addition  1CA simplification</p> <p>1O conclusion</p> <p style="text-align: right;">(9)</p>	
1.2.3	<p>Outer diameter/<i>Buitemiddellyn</i>  <math>= 64 \text{ mm} + 2 \times 0,5 \text{ mm} = 65 \text{ mm}</math> ✓ MA</p> <p>Circumference = <math>\pi \times \text{diameter}</math> / <i>Omtrek = <math>\pi \times \text{middellyn}</math></i>  <math>= 3,142 \times (6,5) \text{ cm}</math> ✓ SF  <math>= 20,423 \text{ cm}</math> ✓CA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Radius = <math>32 \text{ mm} + 0,5 \text{ mm} = 32,5 \text{ mm}</math> ✓ MA  <math>= 3,25 \text{ cm}</math></p> <p>Circumference/<i>omtrek</i> = <math>2 \times \pi \times \text{radius}</math> ✓ SF  <math>= 2 \times 3,142 \times 3,25 \text{ cm}</math> ✓ CA  <math>= 20,423 \text{ cm}</math></p>	<p>1MA increased diameter</p> <p>1SF substitution  1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA increased radius</p> <p>1SF substitution  1CA simplification  <b>NPR</b></p> <p style="text-align: right;">(3)</p>	M L2
		<b>[39]</b>	



QUESTION/VRAAG2 [38 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.1.1	$\text{Total/Totaal} = 2 \times (79 \times R244,35)$ $= R38\,607,30$ <p style="text-align: center;"><b>OR/OF</b></p> <p>Amount claimed per person/Bedrag geeis per persoon:</p> $\text{CM/HM} = 79 \times R244,35 = R19\,303,65$ $\text{IM} = 79 \times R244,35 = R19\,303,65$ $\text{Total/Totaal} = R19\,303,65 + R19\,303,65$ $= R38\,607,30$	<p>1A number of personnel 1A tariff 1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1A CM amount 1A IM amount</p> <p>1CA simplification</p> <p style="text-align: right;">(3)</p>	F L2
2.1.2	<p>A (Hours worked by SM)/A(Ure gewerk deur SM)</p> $= \frac{R13\,763,75}{R211,75/h}$ $= 65 \text{ hours/ure}$	<p>1MA numerator and denominator 1CA simplification</p> <p style="text-align: right;">(2)</p>	M L2
2.1.3 (a)	<p>Number of marking hours/Getalnasienure</p> $= \frac{2\,808 \times 28}{23 \times 60}$ $= 56,97391303 \text{ hours/ure} \approx 57 \text{ hours/ure}$ <p>1<sup>st</sup> day (Monday/Maandag): 14:00 to 20:00 = 5 hours/ure</p> <p>Tuesday to Saturday/Dinsdag tot Saterdag: 50 hours/ure</p> <p>Sunday/Sondag = 2 hours/ure</p> $\text{Total/Totaal } 5 + 50 + 2 = 57 \text{ hrs./ure}$ <p>Finish at 10:00 on Sunday. Eindig Sondag om 10:00</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Number of marking hours/ Getal nasien ure</p> $= \frac{2\,808 \times 28}{23 \times 60} = 56,97391303 \text{ hours} \approx 57 \text{ hours}$ <p>Actual marking time per day/ Werklike merkyd per dag</p> $= 12 \text{ hrs} - 2 \text{ hrs} = 10 \text{ hrs}$ <p>Start/Begin</p> <p>Mon + Tue + Wed + Thu + Fri + Sat + Sun</p> $= 5h + 10h + 10h + 10h + 10h + 10h + 2h$ $= 57 \text{ hours/ure}$ <p>Sunday/Sondag = 08:00 + 2h</p> $= 10:00$	<p>1SF correct numerator 1SF correct denominator 1CA simplification/hours</p> <p>1A hours of 1<sup>st</sup> day</p> <p>1A hours of complete days to last day</p> <p>1CA day&amp; time</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1SF correct numerator 1SF correct denominator 1CA simplification/hours</p> <p>1A hours of 1<sup>st</sup> day</p> <p>1A hours of complete days to last day 1CA day and time</p>	M L3

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR/OF</b></p> <p>Number of marking hours/ <i>Getal nasien ure</i></p> $= \frac{2\,808 \times 28}{23 \times 60} \quad \checkmark \text{SF}$ $= 56,97391303 \text{ hours/ure} \approx 57 \text{ hours/ure} \quad \checkmark \text{CA}$ <p>57 hours: Monday/<i>Maandag</i> = 5 hrs/<i>uur</i> <math>\checkmark \text{A}</math></p> <p>Rest of the days/<i>Res van die dae</i> = 57 hrs – 5 hrs</p> $= 52 \text{ hrs/uur}$ <p>Full marking days/<i>Vol merk dae</i> = <math>\frac{52}{10}</math></p> $= 5,2 \text{ days/dae}$ <p>Therefore/<i>dus</i> 5 days + 0,2 days</p> <p>5 days Tuesday to Saturday / 5 dae is <i>Dinsdag tot Saterdag</i></p> <p>0,2 days/<i>dae</i> <math>\times 10</math> = 2 hrs for Sunday/<i>uur vir Sondag</i> <math>\checkmark \text{A}</math></p> <p>Ends / <i>eindig</i> Sunday/<i>Sondag</i> 10:00 <math>\checkmark \text{CA}</math></p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Number of marking hours/ <i>Getal nasien ure</i></p> $= \frac{2\,808 \times 28}{23 \times 60} \quad \checkmark \text{SF}$ $\approx 57 \text{ hours/uur} \quad \checkmark \text{CA}$ <p>14:00 to 14:00 = 10 working hours /<i>werks ure</i> <math>\checkmark \text{A}</math></p> <p>Monday 14:00 to Saturday 14:00 = 50 hours</p> <p><i>Maandag 14:00 tot Saterdag 14:00 = 50 uur</i></p> <p>Saturday 14:00 to Sunday 10:00 = 7 hours</p> <p><i>Saterdag 14:00 tot Sondag 10:00 = 7 uur</i> <math>\checkmark \text{A}</math></p> <p>Finish at 10:00 on Sunday <math>\checkmark \text{CA}</math></p> <p><i>Eindig Sondag 10:00</i></p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1SF correct numerator</p> <p>1SF correct denominator</p> <p>1CA simplification/hours</p> <p>1A hours of 1<sup>st</sup> day</p> <p>1A hours of complete days to last day</p> <p>1CA day &amp; time</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1SF correct numerator</p> <p>1SF correct denominator</p> <p>1CA simplification/hours</p> <p>1A full day's work</p> <p>1A hours of complete days to last day</p> <p>1CA day and time</p> <p style="text-align: right;">(6)</p> <p>[Accept Tues 10:00]</p>	

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.1.3 (b)	<p>✓ MCA 57 – 52 hours/ure = 5 working hours earlier/werksurevroeër</p> <p>2 hrs of Sunday and last 3 hrs of Saturday not worked 2 uur van Sondagen die laaste 3 ure van Saterdag nie gewerk</p> <p>20:00 – 16:00 = 3 hrs excluding supper/uur sonder aandete</p> <p>✓ CA ✓ CA Finish at 16:15 on Saturday./Eindig Saterdag om 16:15 (Including tea break/teepouse ingesluit)</p> <p><b>OR/OF</b></p> <p>✓ A ✓ MA 52 hours claimed = 5 (Monday) + 40 (Tue to Fri) + 7 (Sat) 52 ure geëis = 5 (Maandag) + 40 (Di tot Vry) + 7 (Sat)</p> <p>Finish Saturday/Eindig Saterdag ✓ CA 8:00 + 7 hours + 15 min (tea 1) + 45 min (lunch) + 15 min (tea 2) = 16:15 ✓ CA [also accept 16:00 since they are not paid for tea time] [aanvaar ook 16:00 aangesien hulle nie vir teepouse betaal word nie]</p>	<p>1 MCA hrs less from marking [ CA from 2.1.3 (a)]</p> <p>1 A separation of hrs</p> <p>1 CA time 1 CA day</p> <p><b>OR/OF</b></p> <p>1 MA breaking up the time 1 A the hours per day</p> <p>1 CA day</p> <p>1 CA time</p> <p><b>AO</b></p> <p>(4)</p>	M L3
2.1.3 (c)	<p>✓✓ O Some candidates omitted some questions or sub-sections. Sommige kandidaatelaat vrae of onderafdelings uit.</p> <p><b>OR/OF</b></p> <p>✓✓ O Some candidates wrote short answers (skipping other steps or lines or sentences). Sommige kandidaat skryf verkorte antwoorde (laat stappe uit)</p> <p><b>OR/OF</b></p> <p>Responses were very clear to follow. ✓✓ O Antwoorde was baie maklik om te volg</p> <p><b>OR/OF</b></p> <p>✓✓ O Some markers mark fast. Sommige nasieners kon vinnig nasien.</p> <p><b>OR/OF</b></p> <p>✓✓ O Markers took shorter breaks Merkers het korter pouses geneem</p>	<p>2 O reason</p> <p>(2)</p>	M L4

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.1.4	<p>Transport/Vervoer = <math>11\,542 \text{ km} \times R3,26 / \text{km}</math> ✓ MA</p> <p>= R 37 626,92 ✓ CA</p> <p>Marking/Nasien:</p> <p>= <math>2 \times 79 \times R244,35 + 5 \times 65 \times R211,75 + 23 \times 52 \times R195,50</math></p> <p>= <math>2 \times R19\,303,65 + 5 \times R13\,763,75 + 23 \times R10\,166</math> ✓ MCA</p> <p>= R38 607,3 + R68 818,75 + R233 818</p> <p>= R341 244,05 ✓ CA</p> <p>Total/Totaal = R341 244,05 + R 37 626,92</p> <p>= R378 870, 97. ✓ CA</p> <p>R400 000 budget will be enough/begroting is genoegsaam. ✓ O</p>	<p>1MA calculation</p> <p>1CA amount</p> <p>1MCA multiply correct number of persons by amount claimed</p> <p>1CA simplification</p> <p>1CA total</p> <p>1O conclusion</p> <p>(6)</p>	F L4
2.2.1	<p>Diameter = <math>1 \text{ m} + 0,8 \text{ m} + 0,8 \text{ m} = 2,6 \text{ m}</math> ✓ A</p> <p>Area of big circle/Oppervlakte van grootsirkel</p> <p>= <math>3,142 \times \left(\frac{2,6 \text{ m}}{2}\right)^2</math> ✓ SF</p> <p>= <math>5,30998 \text{ m}^2</math> ✓ CA</p> <p>Area of the small circle/kleinsirkel = <math>3,142 \times (0,5 \text{ m})^2</math></p> <p>= <math>0,7855 \text{ m}^2</math> ✓ MA</p> <p>Area of the wood/Oppervlakte van hout = <math>2,7 \text{ m} \times 2,7 \text{ m}</math></p> <p>= <math>7,29 \text{ m}^2</math> ✓ A</p> <p>Cut-off/Afgesny = <math>7,29 \text{ m}^2 - 5,30998 \text{ m}^2 + 0,7855 \text{ m}^2</math> ✓ MCA</p> <p>= <math>1,98002 \text{ m}^2 + 0,7855 \text{ m}^2</math></p> <p>≈ <math>2,77 \text{ m}^2</math> ✓ CA</p> <p>Statement is NOT valid/Bewering is NIE geldig NIE ✓ O</p> <p><b>OR/OF</b></p> <p>Cut-off wood (in <math>\text{m}^2</math>) /Afgesnyde hout (in <math>\text{m}^2</math>)</p> <p>= Area<sub>(square)</sub> – [Area<sub>(big circle)</sub> – Area<sub>(small circle)</sub>]</p> <p>= <math>2,7 \times 2,7 - [3,142 (0,8 + 0,5)^2 - 3,142 (0,5)^2]</math></p> <p>✓ A ✓ CA ✓ MA</p> <p>= <math>7,29 - [5,30998 - 0,7855]</math></p> <p>= <math>7,29 - 4,52448</math> ✓ M</p> <p>= <math>2,76552</math>. ✓ CA</p> <p>Which is more than 2,01. Hence, the statement is not valid</p> <p>Dit is meer as die 2,01, gevolglik is die bewering nie geldig nie. ✓ O</p>	<p>1A diameter</p> <p>1SF circle formula</p> <p>1CA area big circle</p> <p>1MA area small circle</p> <p>1A area of the wood</p> <p>1MCA subtracting total circles from square area wood</p> <p>1CA area</p> <p>1O conclusion</p> <p><b>OR/OF</b></p> <p>1A radius big circle</p> <p>1SF circle formula</p> <p>1CA area big circle</p> <p>1MA area small circle</p> <p>1A area of the wood</p> <p>1M subtracting total circles from square area wood</p> <p>1CA area</p> <p>1O conclusion</p>	M L4

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR/OF</b></p> <p>Area of semi-circle = <math>\frac{1}{2} \pi \times r^2</math> ✓A</p> <p>Outer circle/<i>Buite sirkel</i> = <math>\frac{1}{2} \times 3,142 \times (1,3 \text{ m})^2</math> ✓SF</p> <p>= 2,65499m<sup>2</sup> ✓CA</p> <p>Inner circle/<i>Binne sirkel</i> = <math>\frac{1}{2} \times 3,142 \times (0,5 \text{ m})^2</math></p> <p>= 0,39275 m<sup>2</sup> ✓MA</p> <p>Desk/<i>tafel</i> = 2,65488m<sup>2</sup> – 0,39275m<sup>2</sup></p> <p>= 2,26224m<sup>2</sup> ✓CA</p> <p>Total area/<i>Totale oppervlak</i> = 2,26224 m<sup>2</sup> × 2</p> <p>= 4,52448 m<sup>2</sup> ✓MCA</p> <p>Cut-off Area/<i>Afsny hout</i> = 7,29 m<sup>2</sup> – 4,452448 m<sup>2</sup></p> <p>= 2,7552 m<sup>2</sup> ✓CA</p> <p>Statement not valid /<i>Bewering is nie GELDIG nie</i> ✓O</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Area of big semi-circle /<i>Oppervlakte van groot halfsirkel</i></p> <p>= <math>3,142 \times 1,3^2 \div 2 = 2,65499 \text{ m}^2</math> ✓A ✓SF ✓CA</p> <p>Area of small semi-circle /<i>Oppervlakte van klein halfsirkel</i></p> <p>= <math>3,142 \times 0,5^2 \div 2 = 0,3927 \text{ m}^2</math> ✓MA</p> <p>One semi-circular top/ <i>Een halfsirkel bo-kant</i></p> <p>= 2,65499 – 0,3927 = 2,26224 m<sup>2</sup></p> <p>Area of two semi-circular tops/<i>Oppervlakte van 2 halfsirkels</i></p> <p>= 2,26224 × 2 = 4,52448 m<sup>2</sup> ✓MCA</p> <p>Square Board/<i>Vierkantige hout</i> = 2,7 × 2,7 = 7,29 m<sup>2</sup> ✓A</p> <p>Cut-off /<i>Afsny</i> = 7,29 m<sup>2</sup> – 4,52448 m<sup>2</sup> ≈ 2,77 m<sup>2</sup> ✓CA</p> <p>Statement not valid/<i>Bewering is nie GELDIG nie</i> ✓O</p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1A diameter/ radius</p> <p>1SF circle formula</p> <p>1CA area big circle</p> <p>1MA area small circle</p> <p>1CA area of the wood</p> <p>1MCA total circles area</p> <p>1CA area</p> <p>1O conclusion</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1A diameter/ radius</p> <p>1SF circle formula</p> <p>1CA area big circle</p> <p>1MA area small circle</p> <p>1MCA total circles area</p> <p>1A area of the wood</p> <p>1CA area</p> <p>1O conclusion</p>	(8)



QUESTION/VRAAG3 [39 MARKS/PUNTE]			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
3.1.1	<p style="text-align: center;">✓ A</p> <p>The data is discrete./Die data is diskreet</p> <p style="text-align: center;">✓✓ O</p> <p>Percentages run from 0 to 100 and depends on the total of the test and the mark obtained. It is presented as whole numbers. Persentasies is van 0 tot 100 en hang af van die totaal van die toets en die punt behaal. Hier is dit aangebied as heelgetalle.</p>	<p>1A discrete</p> <p>2O opinion</p> <p style="text-align: right;">(3)</p>	D L4
3.1.2	<p>Median score test 2/mediaan</p> $= \frac{66+67}{2} \quad \checkmark \text{RT} \quad \checkmark \text{M}$ $= 66,5 \quad \checkmark \text{CA}$	<p>1RT correct value</p> <p>1M median concept</p> <p>1CA simplification</p> <p style="text-align: right;">(3)</p>	D L2
3.1.3	<p style="text-align: center;">✓ MA</p> <p>Mean/Gemiddeld = <math>\frac{Y (\% \text{ mark}) + 1\,443}{18} = 84 \quad \checkmark \text{MA}</math></p> <p><math>Y (\% \text{ mark}) = 18 \times 84 - 1\,443 \quad \checkmark \text{M}</math></p> <p><math>= 69\% \quad \checkmark \text{CA}</math></p> <p style="text-align: center;"><b>OR/OF</b></p> <p><math>18 \times 84 = 1\,512 \quad \checkmark \text{MA}</math></p> <p style="text-align: center;">✓ MA</p> <p><math>Y + 1443 = 1\,512</math></p> <p><math>Y = 1\,512 - 1\,443 \quad \checkmark \text{M}</math></p> <p><math>= 69\% \quad \checkmark \text{CA}</math></p>	<p>1MA adding all known% marks</p> <p>1MA mean concept</p> <p>1M changing the subject</p> <p>1CA simplification</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA mean concept</p> <p>1MA adding all known % marks</p> <p>1M changing the subject</p> <p>1CA simplification</p> <p style="text-align: right;">(4)</p>	D L3
3.1.4	<p>✓✓RT</p> <p>Helen : <math>87\% - 57\% = 30\%</math></p> <p>✓RT</p> <p>Kevin : <math>97\% - 67\% = 30\%</math></p> <p>[Note: Afrikaans scripts the answers will be Paul &amp; Oscar]</p>	<p>2RT candidate</p> <p>1RT candidate</p> <p style="text-align: right;">(3)</p>	D L3
3.1.5	<p><math>Q_3/K_3 = 71\% \quad \checkmark \text{A}</math></p> <p><math>Q_1/K_1 = 61\% \quad \checkmark \text{A}</math></p> <p><math>IQR = Q_3 - Q_1 / IKO = K_3 - K_1</math></p> <p><math>= 71\% - 61\% \quad \checkmark \text{MCA}</math></p> <p><math>= 10\% \quad \checkmark \text{CA}</math></p>	<p>1A quartile 3</p> <p>1A quartile <math>Q_1</math></p> <p>1MCA IQR concept</p> <p>1CA simplification</p> <p style="text-align: right;">(4)</p>	D L3

Please turn over/*Blaai om asseblief*



Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.2.5 (b)	<p>From/<i>Vanaf</i> 12:00 - 15:25 = <math>(3 - 1) + \frac{25}{60}</math> ✓M ✓C</p> <p>= 2,4166666667 hours/<i>uur</i> ✓CA</p> <p>Rate per hour/<i>Koers per uur</i> = <math>\frac{£79,75}{2,4166666667}</math> ✓M</p> <p>= £33 ✓CA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>From/<i>Vanaf</i> 12:00 - 15:25 = 3 h 25 min</p> <p>Hours she was charged for /<i>Ure waarvoor sy beboet is</i></p> <p>3 h 25 min – 1 h = 2 h 25 min ✓M ✓CA</p> <p>2h 25 min = 145 min ✓C</p> <p>Rate per hour/<i>Koers per uur</i> = <math>\frac{79,75 \times 60}{145}</math> ✓M</p> <p>= <math>\frac{4\,785}{145}</math></p> <p>= £33 ✓CA</p>	<p>1M subtracting free hour 1C conversion minutes into hours</p> <p>1CA total charged hours</p> <p>1M division by hours</p> <p>1CA simplification rounded to the nearest <b>pound</b></p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1M subtracting free hour 1CA total charged hours 1C conversion hours into minutes</p> <p>1M division by minutes</p> <p>1CA simplification rounded to the nearest <b>pound</b></p> <p style="text-align: right;">(5)</p>	F L3
		<b>[39]</b>	

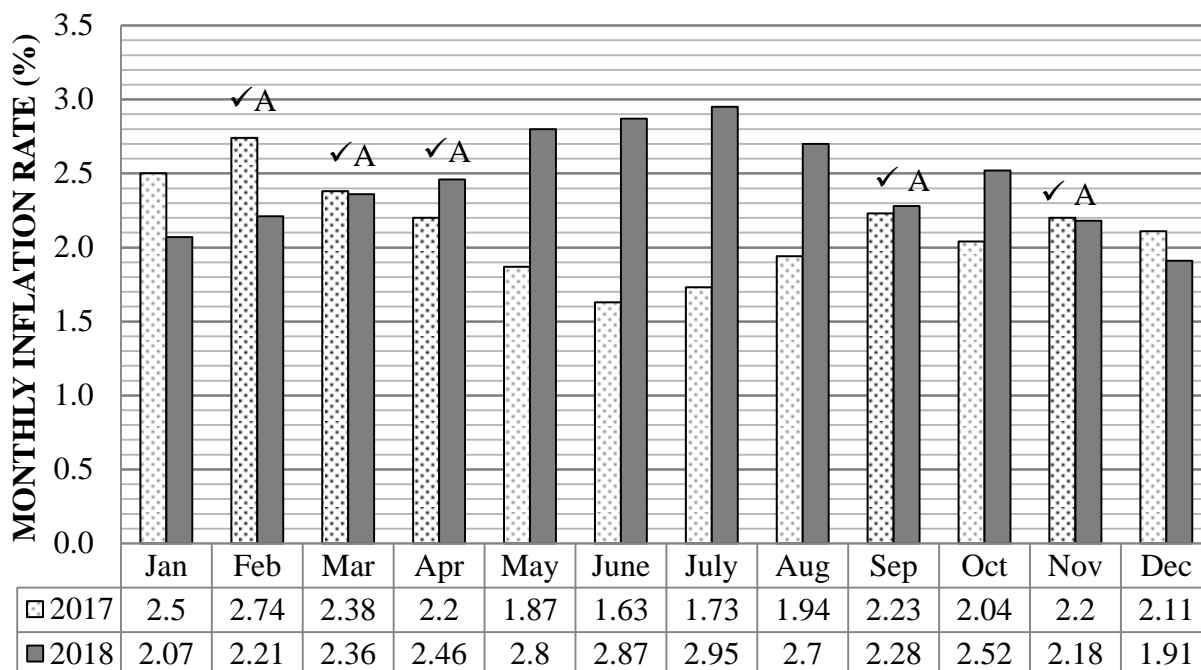
QUESTION/VRAAG4 [34 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.1.1	$P_{\text{(odd seat/oneve)}} = \frac{2}{288} \times 100\%$ $= 0,69\%$	1A numerator 1A total seats 1CA simplification (3)	L2 P
4.1.2	$\checkmark$ RT D10 $\checkmark$ RT	1RT row 1RT seat (2)	L2 MP
4.1.3	<b>Person at D7:</b> <ul style="list-style-type: none"> <li>Turn left walk towards the corridor./<i>Draai links en loop na die gang.</i></li> <li>Turn right walk towards the stage./<i>Draai regs en loop na die verhoog.</i></li> <li>At end of the corridor turn left./<i>Aan die einde van die gang draai links.</i></li> <li>Walk towards the last seat in the front of section B./<i>Loop na die laastesitplek in afdeling B.</i></li> </ul>	1A turn left and walk 1A turn right towards stage 1A turn left end of corridor 1A last seat; section B (4)	L3 MP
4.1.4	<b>Collection/Insameling:</b> $\text{Adults/Volwassenes: } 150 \times \$28,60 = \$4\,290$ $\text{Students/Stude: } 57 \times \$26,40 = \$1\,504,80$ $\text{Kids/Kinders: } 33 \times \$17,60 = \$580,80$ <b>Total collection/Totaalingesamel</b> $= \$4\,290 + \$1\,504,80 + \$580,80$ $= \$6\,375,60$ <b>Excluding VAT/Sonder BTW</b> $= \frac{\$6\,375,60}{1,10} = \$5\,796$ <b>Claim is CORRECT/Opmerking is KORREK</b>	1MA multiply tariff by relevant total patrons. 1CA amount 1CA amount 1CA amount  1MCA total collection  1MCA dividing by 1,10 1CA amount excl. VAT  1O conclusion	F L4

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR/OF</b></p> <p>Adults/volwasseenes = <math>53 + 57 + 40 = 150</math></p> <p>Cost/Koste = <math>\\$28,60 \times 150 = \\$4\,290</math> ✓ MA</p> <p>Cost excl VAT /Koste BTW uitgesluit = <math>\\$4\,290 \div 1,10 = \\$3\,900</math> ✓ MCA</p> <p style="text-align: right;">✓ CA</p> <p>Students/Studente = <math>15 + 32 + 10 = 57</math></p> <p>Cost/Koste = <math>\\$26,40 \times 57 = \\$1\,504,80</math></p> <p>Cost excl VAT /Koste BTW uitgesluit = <math>\\$1\,504,80 \div 1,10 = \\$1\,368</math> ✓ CA</p> <p>Children = <math>9 + 15 + 9 = 33</math></p> <p>Cost/Koste = <math>\\$17,60 \times 33 = \\$580,80</math></p> <p>Cost excl VAT /Koste BTW uitgesluit = <math>\\$580,80 \div 1,10 = \\$528</math> ✓ CA</p> <p>Total/Totaal = <math>\\$3\,900 + \\$1\,368 + \\$528 = \\$5\,796</math> ✓ MCA</p> <p style="text-align: right;">✓ CA</p> <p>The claim is correct/ Opmerking is KORREK ✓ O</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Section A/Afdeling A: ✓ MA</p> <p>= <math>53 \times 28,60 + 15 \times 26,40 + 9 \times 17,60</math></p> <p>= <math>1\,515,80 + 396,00 + 158,40 = 2\,070,20</math> ✓ CA</p> <p>Section B/ Afdeling B:</p> <p>= <math>57 \times 28,60 + 32 \times 26,40 + 15 \times 17,60</math></p> <p>= <math>1\,630,20 + 844,80 + 264,00 = 2\,739,00</math> ✓ CA</p> <p>Section C/ Afdeling C:</p> <p>= <math>40 \times 28,60 + 10 \times 26,40 + 9 \times 17,60</math></p> <p>= <math>1\,144,00 + 264,00 + 158,40 = 1\,566,40</math> ✓ CA</p> <p>Total amount of Sections = <math>2\,070,20 + 2\,739,00 + 1\,566,40 = \\$6\,375,60</math> ✓ MCA</p> <p>Excluding VAT/Sonder BTW = <math>\frac{\\$6\,375,60}{1,10} = \\$5\,796</math> ✓ MCA</p> <p style="text-align: right;">✓ CA</p> <p><b>or/of</b></p> <p><math>\\$5\,796 \times 1,1 = \\$6\,375,60</math> which equals total collection</p> <p>Claim is CORRECT/Opmerking is KORREK ✓ O</p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1MA multiply tariff by relevant total patrons.</p> <p>1MCA dividing by 1,10</p> <p>1CA amount</p> <p>1CA amount</p> <p>1CA amount</p> <p>1MCA total collection</p> <p>1CA amount excl. VAT</p> <p>1O conclusion</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1MA multiply tariff by relevant total patrons.</p> <p>1CA amount</p> <p>1CA amount</p> <p>1CA amount</p> <p>1MCA total collection</p> <p>1MCA dividing by 1,10</p> <p>1CA amount excl. VAT</p> <p>1O conclusion</p>	

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR/OF</b></p> <p>Adult / Volwassenes ✓ MCA  Price excl. VAT/Prys sonder BTW = <math>\\$28,60 \times \frac{100}{110} = \\$26</math>  ✓ MA  Total amount/Totale bedrag = <math>26 \times 150 = \\$3\,900</math> ✓ CA</p> <p>Student /Studente  Price excl. VAT /Prys sonder BTW = <math>\\$26,40 \times \frac{100}{110} = \\$24</math>  Total amount/Totale bedrag = <math>\\$24 \times 57 = \\$1\,368</math> ✓ CA</p> <p>Children/Kinders  Price excl. VAT/ Prys sonder BTW = <math>\\$17,60 \times \frac{100}{110} = \\$16</math>  Total amount/Totale bedrag = <math>\\$16 \times 33 = \\$528</math> ✓ CA  Total collection/ Totale insameling = <math>3\,900 + 1\,368 + 528 = \\$5\,796</math> ✓ MCA  ✓ CA  Claim is CORRECT/Opmerking is KORREK ✓ O</p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1MCA dividing by 1,10  1MA multiply tariff by relevant total patrons.  1CA amount    1CA amount    1CA amount    1MCA total collection  1CA amount excl. VAT    1O conclusion</p> <p style="text-align: right;">(8)</p>	
4.1.5	<p>Cost in USD/Koste in VSD  ✓RT  = <math>\\$30,50 \times 0,71</math>  = 21,655 USD/VSD ✓ MCA  Cost in rand/Koste in rand  = <math>\\$21,655 \times R14,43/\\$</math>  = R312,48 ✓ MCA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Conversion factor ZAR to AUD /Herleidingsfaktor :  <math>R14,43 \times 0,71 = R10,2453</math> ✓ A  ✓RT  <math>\\$30,50 \times R10,2453</math>  = R312,48 ✓ MCA</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Conversion to ZAR/ Herlei na ZAR  ✓RT  = <math>\\$30,50 \times 0,71 \times R14,43</math> ✓ MCA  = R312,48 ✓ MCA</p>	<p>1RT ticket price  1MCA answer in USD    1MCA answer in rand</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1A Conversion factor  1RT ticket price    1MCA answer in rand</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1RT ticket price  1MCA Conversion  1MCA answer in rand</p> <p style="text-align: right;">(3)</p>	L2 F

4.2.1

## AUSTRALIAN INFLATION RATE FOR 2017 AND 2018



5 × A for each correct bar

(5)

L2  
D

4.2.2

✓ A  
June/*Junie*

✓ MCA

Difference/*Verskil* = 2,87% – 1,63% = 1,24% ✓ CA1A correct month  
1MCA subtracting values  
1CA simplification

(3)

L3  
F

4.2.3

Inflation Nov/*Inflasie Nov* = AUD 156 831,36 × 2,18 %  
= AUD 3418,92 ✓ RTDec cost of car /*Des koste* = AUD 156 831,36 + AUD 3418,92  
= AUD 160 250,28 ✓ MCA  
✓ CAInflation Dec/*Inflasie Des* = AUD 160 250,28 × 1,91 %  
= AUD 3 060,78Jan. cost of car /*Koste in Jan.*  
= AUD 160 250,28 + AUD 3 060,78  
= AUD 163 311,06 ✓ CAIncrease/*Verhoging* = AUD 163 311,06 – AUD 156 831,36  
= AUD 6 479,70 ✓ CAHe is incorrect /*Hy is NIE korrek NIE* ✓ O1RT correct rate  
1MCA Increasing  
1CA simplification1CA simplification second  
month cost

1CA increase

1O opinion

F  
L4

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.2.3	<p style="text-align: center;"><b>OR/OF</b></p> <p>Inflation Nov/<i>Inflasie Nov</i> = \$156 831,36 × 2,18%<sup>✓RT</sup> = \$3418,92</p> <p>Dec. cost of car /<i>Des koste</i> = \$ 156 831,36 + \$3418,92<sup>✓MCA</sup> = \$ 160 250,28<sup>✓CA</sup></p> <p>Inflation Dec/<i>Inflasie Des</i> = \$ 160 250,28 × 1,91 % = \$ 3 060,78<sup>✓CA</sup></p> <p>Price increase = Inflation Nov + Inflation Dec <i>Prysverhoging</i> = <i>Inflasie Nov</i> + <i>Inflasie Des</i> = \$3418,92 + \$ 3 060,78 = \$ 6 479,70<sup>✓CA</sup></p> <p>He is incorrect/<i>Hy is NIE korrek NIE</i><sup>✓O</sup></p> <p style="text-align: center;"><b>OR/OF</b></p> <p>December/ <i>Desember</i>: Cost of car/<i>Koste van motor</i> = \$156 831,36 × 102,18%<sup>✓RT</sup> = \$160 250,28<sup>✓MCA</sup><sup>✓CA</sup></p> <p>January/<i>Januarie</i> Cost of car/<i>Koste</i> = \$ 160 250,28 × 101,91 % = \$ 163 311,06<sup>✓CA</sup></p> <p>Increase/<i>Verhoging</i> = \$ 163 311,06 – \$156 831,36 = \$ 6 479,70<sup>✓CA</sup></p> <p>He is incorrect/<i>Hy is verkeerd</i><sup>✓O</sup></p> <p style="text-align: center;"><b>OR/OF</b></p> <p>Price in January /<i>Prys in Januarie</i> <sup>✓RT</sup> <sup>✓MCA</sup> <sup>✓CA</sup> = AUD 156 831,36 × 1,0218 × 1,0191 = AUD 163 311,0641<sup>✓CA</sup></p> <p>Increase/<i>Verhoging</i> = AUD 163 311,06 – AUD 156 831,36 = AUD 6 479,70<sup>✓CA</sup></p> <p>Incorrect/ <i>Nie korrek nie</i><sup>✓O</sup></p>	<p style="text-align: center;"><b>OR/OF</b></p> <p>1RT correct rate</p> <p>1MCA Increasing</p> <p>1CA simplification</p> <p>1CA simplification second month inflation</p> <p>1CA increase</p> <p>1O opinion</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1RT correct rate</p> <p>1MCA Increasing by %</p> <p>1CA simplification</p> <p>1CA simplification</p> <p>1CA increase</p> <p>1O opinion</p> <p style="text-align: center;"><b>OR/OF</b></p> <p>1RT correct rate</p> <p>1MCA Increasing</p> <p>1CA Increasing</p> <p>1CA simplification</p> <p>1CA increase</p> <p>1O opinion</p>	F L4

	<div>OR/OF</div> <div>✓RT ✓MCA December price /Desember prys = AUD 156 831,36 × 1,0218 = AUD 160 250,28 ✓CA  Januaryprice/Januarie prys = AUD 160 250,28 × 1,0191 = AUD 163 311,06 ✓CA  Adding the increase to the price in November Tel die verhoging by die prys in November = AUD 156 831,36 + AUD 6 500 = AUD 163 331,36   ✓CA  Therefore/dusAUD 163 331,36 ≠ AUD 163 311,06 Incorrect / Nie korrek nie ✓O</div> <div>OR/OF</div>	<div>OR/OF</div> <div>1RT correct rate 1MCA Increasing by % 1CA simplification  1CA simplification   1CA increase  1O opinion</div>	
	<div>Price end October = AUD 156 831,36 January price/Januarie prys   </div>		