

**MARKING GUIDELINES/
NASIENRIGLYNE**

EXAMINATION/ EKSAMEN	NATIONAL SENIOR CERTIFICATE/ NASIONALE SENIOR SERTIFIKAAT
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SUBJECT/ VAK	MATHEMATICAL LITERACY/ WISKUNDIGE GELETTERDHEID
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SOUTH AFRICAN COMPREHENSIVE ASSESSMENT INSTITUTE
SUID-AFRIKAANSE KOMPREENSIEWE ASSESSERINGSINSTITUUT



SYMBOL/ SIMBOOL	EXPLANATION/ VERDUIDELIKING
M	Method / <i>Metode</i>
MA	Method with accuracy/ <i>Metode met akkuraatheid</i>
MCA	Method with consistent accuracy/ <i>Metode met volgehoue akkuraatheid</i>
CA	Consistent accuracy/ <i>Volgehoue akkuraatheid</i>
A	Accuracy/ <i>Akkuraatheid</i>
C	Conversion/ <i>Herleiding</i>
S	Simplification/ <i>Vereenvoudiging</i>
RT/RG	Reading from a table/graph/diagram/ <i>Lees uit 'n tabel/grafiek/diagram</i>
SF	Correct substitution in a formula / <i>Korrekte vervanging in 'n formule</i>
O	Opinion/Example/Definition/Explanation/ <i>Opinie/Voorbeeld/Definisie/Verduideliking</i>
P	Penalty, e.g. for no units/incorrect rounding off, etc./ <i>Straf, bv. vir geen eenhede/verkeerde afronding, ens.</i>
R	Rounding off/ <i>Afronding</i>
NPR	No penalty rounding or omitting units/ <i>Geen penalisering vir afronding of weglating van eenhede nie</i>
AO	Answer only, if correct, full marks/ <i>Slegs antwoord, indien korrek, volpunte</i>



QUESTION/ VRAAG 1 [25]

No	Solution/ Oplossing	Explanation/ Verduideliking	
1.1			
1.1.1	1 070 000 000. ✓A✓A	2A Correct number format/ Korrekte nommer formaat (2)	F L1
1.1.2	gain/ verdien ✓A✓A	2A gain/ verdien (2)	F L1
1.1.3	a. True/ Waar ✓A✓A	2A True/ Waar (2)	F L1
	b. True/ Waar ✓A✓A	2A True/ Waar (2)	F L1
	c. False/ Vals ✓A✓A	2A False/ Vals (2)	F L1
	d. False/ Vals ✓A✓A	2A False/ Vals (2)	F L1
1.1.4	Compensation/ Vergoeding = 500 x R50 ✓MA = R25 000 ✓A	1MA 500 x R50 1A R25 000 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</div> (2)	F L1
1.1.5	<p style="text-align: center;">✓M</p> Number of cases/ Aantal gevalle $= \frac{0,03}{100} \times 60 \text{ million/ miljoen} \checkmark MA$ = 0,018 million cases/ miljoen gevalle ✓A OR/ OF Number of cases/ Aantal gevalle ✓M $= \frac{0,03}{100} \times 60\,000\,000 \checkmark MA$ = 0,018 million/ miljoen = 18 000 cases/ gevalle ✓A	1M $\frac{0,03}{100}$ division by/ deel deur 100 1MA $\times 60 \text{ million/ miljoen}$ 1A 0,018 million cases/ miljoen gevalle 1M $\frac{0,03}{100}$ division by/ deel deur 100 1MA $\times 60\,000\,000$ 1A 18 000 cases/ gevalle <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</div> (3)	F L1



1.2			
1.2.1	Rise in cost of 60 eggs between November 2022 and October 2023/ <i>Styging in koste van 60 eiers tussen November 2022 en Oktober 2023</i> ✓A✓A	2A Any suitable heading/ <i>enige gepaste opskrif</i> (2)	D L1
1.2.2	12 or twelve/ <i>of twaalf</i> ✓A✓A	2A 12 OR/ OF 2A twelve / <i>twaalf</i> (2)	D L1
1.2.3	May/ <i>Mei</i> ✓A✓A	2A May/ <i>Mei</i> (2)	D L1
1.2.4	Price / <i>Prys</i> = R162 – R136 ✓MA = R26 ✓A	1MA R162 – R136 1A R26 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</div> (2)	D L1
			[25]

QUESTION/ VRAAG 2 [39]

No	Solution / Oplossing	Explanation/ Verduideliking	
2.1			
2.1.1	A – Rebate/ <i>Korting</i> ✓A B – Gross Salary/ <i>Bruto salaris</i> ✓A C - Tax threshold / <i>Belastingdrempel</i> ✓A D – Taxable income/ <i>Belasbare inkomste</i> ✓A E – Medical aid credits/ <i>Mediese fonds krediete</i> ✓A	5A Correct listing/ <i>Korrekte lys</i> (5)	F L1
2.1.2	$\text{UIF/ WVF} = \frac{1}{100} \times R28\,500 = R285 \text{ ✓MA}$ $\frac{2\,125,44}{12} = R177,12 \text{ ✓MA}$ R285 is larger than the ceiling amount of R177,12 so he pays R177,12. <i>/ R285 is meer as die maksimum bedrag van R177,12 so hy betaal R177,12. ✓R</i>	1MA $\text{UIF/ WVF} = \frac{1}{100} \times R28\,500 = R285$ 1MA $\frac{2\,125,44}{12} = R177,12$ 1R R285 is larger than the ceiling amount of R177,12 so he pays R177,12 / <i>R285 is meer as die maksimum bedrag van R177,12 so hy betaal R177,12</i> (3)	F L4



2.1.3	<p>Allowed Pension deduction/ <i>Toelaatbare pensioenafrekkings</i></p> $= \frac{27,5}{100} \times R28\,500 \checkmark \text{MA}$ $= R7\,837,50 \checkmark \text{A}$ <p>R1 500 is a smaller amount so he can claim the full amount./ <i>R1 500 is 'n kleiner bedrag so hy kan die volle bedrag eis.</i> $\checkmark \text{R}$</p>	$1\text{MA } \frac{27,5}{100} \times R28\,500$ $1\text{A } R7\,837,50$ $1\text{R } R1\,500$ is a smaller amount so he can claim the full amount./ <i>R1 500 is 'n kleiner bedrag so hy kan die volle bedrag eis</i> <p style="text-align: right;">(3)</p>	F L4
2.1.4	<p>Annual taxable income/ <i>Jaarlikse belasbare inkomste</i></p> <p style="text-align: center;">$\checkmark \text{A} \quad \checkmark \text{MA} \quad \checkmark \text{M}$</p> $= (R28\,500 - R1\,500) \times 12$ $= R324\,000$	$1\text{A } R28\,500$ $1\text{MA } \text{Subtracting/ } \textit{Aftrek van } R1\,500$ $1\text{M } \text{Multiply by/ } \textit{Maal met } 12$ <p style="text-align: right;">(3)</p>	F L4
2.1.5	<p>a. 2nd bracket/ <i>2de kerf</i> $\checkmark \text{A} \checkmark \text{A}$</p> <p>OR/ <i>OF</i></p> <p>226 001 – 353 100 $\checkmark \text{A} \checkmark \text{A}$</p> <p>OR/ <i>OF</i></p> <p>40 680 + 25% of taxable income above/ <i>van belasbare inkomste bo</i> 226 000</p>	$2\text{A } \text{Correct tax bracket/ } \textit{korrekte belastingkerf}$ <p style="text-align: right;">(2)</p>	F L1
	<p>b. Annual tax/ <i>Jaarlikse belasting</i></p> <p style="text-align: center;">$\checkmark \text{SF}$</p> $= R40\,680 + \frac{25}{100} \times [R324\,000 - R226\,000]$ $= R40\,680 + \frac{25}{100} \times [R98\,000]$ $= R40\,680 + R24\,500 \checkmark \text{MCA}$ $= R65\,180 \checkmark \text{CA}$	$1\text{SF } \text{Substitution into formula/ } \textit{Vervanging in die formule}$ $1\text{MCA } \frac{25}{100} \times [R98\,000] = R24\,500$ $1\text{CA } R65\,180$ <p style="text-align: right;">(3)</p>	F L2
	<p>c. MAC/ <i>MFK</i> $\checkmark \text{MA} \quad \checkmark \text{M}$</p> $= (R364 + R364 + R246) \times 12$ $= R974 \times 12$ $= R11\,688 \checkmark \text{A}$	$1\text{MA } (R364 + R364 + R246)$ $1\text{M } \times 12$ $1\text{A } R11\,688$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE </div> <p style="text-align: right;">(3)</p>	F L2



	d.	<p>Annual tax/ <i>Jaarlikse belasting</i></p> <p>Remove rebate/ <i>Trek korting af</i></p> <p>R65 180 – R17 235 ✓MCA</p> <p>R47 945 ✓CA</p> <p>= R47 945 – R11 688</p> <p>= R36 257 ✓MCA</p> <p>Monthly Tax/ <i>Maandelikse belasting</i></p> <p>= $\frac{R36\ 257}{12} = R3\ 021,42$ ✓CA</p> <p>✓MCA</p>	<p>1MCA R65 180 - R17 235</p> <p>1CA R47 945</p> <p>1MCA R47 945 – R11 688</p> <p>= R36 257</p> <p>1MCA Division by/ <i>deel deur 12</i></p> <p>1CA R3 021,42</p> <p>(5)</p>	F L2
	e.	<p>Nett Income/ <i>Netto inkomste</i></p> <p>✓MCA</p> <p>= R28 500 – R3 021,42 – R177,12 – R1 500 – R1 250</p> <p>= R22 551,46 ✓CA</p>	<p>1MCA Subtraction all four amounts from/ <i>trek al vier bedrae af van R28 500</i></p> <p>1CA R22 551,46</p> <p>ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</p> <p>(2)</p>	F L2
2.2				
2.2.1	P R28 200 ✓A Q R34 000 ✓A R R38 600 ✓A		3A Correctly labelled / <i>korrek gemerk</i>	D L2
			(3)	
2.2.2	IQR/ <i>IQR</i> = R38 600 – R28 200 ✓MA = R10 400 ✓A		1MA Subtracting Q1 from Q3/ <i>Trek K1 van K3 af</i>	D L2
			1A R10 400	(2)
2.2.3	Yes. Just above the 25 th percentile for his salary meaning 75% of doctors in SA earn more than him/only 25% of doctors in SA earn less than him./ <i>Ja. Net bokant die 25ste persentiel vir sy salaris wat beteken 75% van dokters in SA verdien meer as hy/ slegs 25% van dokters in SA verdien minder as hy</i>		2R Any suitable reason/ <i>Enige gepaste rede</i>	D L4
			(2)	
2.2.4	<p>✓MA</p> <p>Increase/ <i>Vermeerdering</i> =</p> <p>$\frac{R29\ 250 - R28\ 500}{R28\ 500} \times 100\%$</p> <p>✓MA</p> <p>= 2,6% ✓CA</p>		1MA numerator	F L4
			1MA denominator/ <i>noemer</i>	
			1CA (one error/ <i>een fout</i>) 2,6%	
			NPR	



	<p>OR/ OF</p> <p>Increase with inflation / <i>Toename met inflasie</i></p> $= \frac{4,1}{100} \times R28\,500 \checkmark MA$ $= R1\,168,50 \checkmark A$ <p>New Salary/ <i>Nuwe Salaris</i></p> $= R28\,500 + R1\,168,50$ $\checkmark CA$ $= R29\,668,50 > R29\,250$	<p>1MA $\frac{4,1}{100} \times R28\,500$</p> <p>1A R1 168,50</p> <p>1CA (one error/ <i>een fout</i>)</p> <p>R29 668,50</p> <p style="text-align: right;">(3)</p>	
[39]			

QUESTION/ VRAAG 3 [27]

No	Solution / Oplossing	Explanation/ Verduideliking	
3.1			
3.1.1	<p>Total shows/ <i>Totale aantal vertonings</i></p> $= 118+110+86+85+53+151 \checkmark MA$ $= 603 \checkmark A$	<p>1MA 118+110+86+85+53+151</p> <p>1A 603</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</div> <p style="text-align: right;">(2)</p>	D L1
3.1.2	<p>Median/ <i>Mediaan</i> = $\frac{150,6+250,7}{2}$</p> $= \frac{401,3}{2} \checkmark MA$ $= 200,65 \text{ million/ } \checkmark A$	<p>1MA</p> <p>1A</p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">ANSWER ONLY, FULL MARKS/ SLEGS ANTWOORD, VOLPUNTE</div> <p>Penalise for "million/billion" once/ <i>Penaliseer slegs een maal vir "miljoen/ miljard"</i> (3.1.2 and/ en 3.1.3)</p> <p style="text-align: right;">(2)</p>	D L2
3.1.3	<p>\$1,1 billion/ <i>miljard</i> $\checkmark A \checkmark A$</p> <p>OR/ OF</p> <p>Eras Tour/ <i>Toer</i> $\checkmark A \checkmark A$</p>	<p>2A \$1,1 billion/ <i>miljard</i></p> <p>OR/ OF</p> <p>2A Eras Tour/ <i>Toer</i> (2)</p>	D L4
3.2			
3.2.1	<p>\$960 million/ <i>miljoen</i> $\checkmark A \checkmark A$</p>	<p>2A \$960 million/ <i>miljoen</i></p> <p>PU \$ (2)</p>	D L1

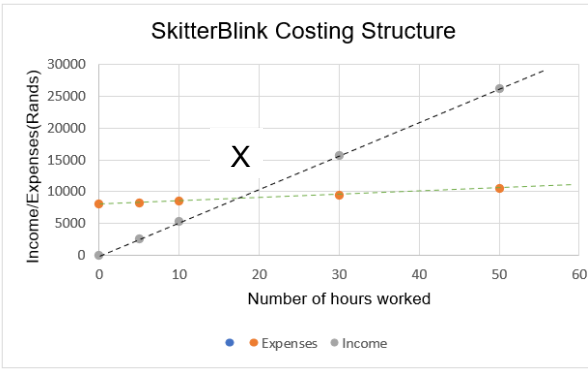


<p>3.2.2</p>	<p style="text-align: center;">✓M ✓M</p> <p>% Ticket sales/ <i>Kaartjie verkope</i></p> $= \frac{400\,000\,000}{960\,000\,000} \times 100 \text{ ✓MCA}$ $= 41,67\%$	<p>1M Numerator</p> <p>1MCA Division by (3.2.1)</p> <p style="text-align: center;">960 000 000</p> <p>1M x 100 (3)</p>	<p>D</p> <p>L4</p>
<p>3.2.3</p>	<p>Degrees/ <i>Grade</i></p> <p style="text-align: center;">✓MA ✓M</p> $= \frac{41,67}{100} \times 360^\circ$ $= 150,012^\circ \neq 120^\circ \text{ ✓A}$	<p>1MA $\frac{41,67}{100}$</p> <p>1M x 360°</p> <p>1A 150,012° ≠ 120° (3)</p>	<p>D</p> <p>L4</p>
<p>3.3</p>			
<p>3.3.1</p>	<p>70% OR/ OF 0,7 OR/ OF $\frac{7}{10}$ ✓A ✓A</p>	<p>2A 70% OR/ OF 0,7 OR/ OF $\frac{7}{10}$ (2)</p>	<p>D</p> <p>L2</p>
<p>3.3.2</p>	<p>Total parts/ <i>Totale dele</i>: 2+1 = 3 ✓MA</p> <p>Taylor = $\frac{2}{3} \times R174$ million/ <i>miljoen</i></p> <p>= R116 million/ <i>miljoen</i> OR / OF R116 000 000 ✓A</p> <p style="text-align: center;">✓MA</p> <p>Rihanna = $\frac{1}{3} \times R174$ million/ <i>miljoen</i></p> <p>= R58 million/ <i>miljoen</i> OR/ OF R58 000 000 ✓A</p>	<p>1MA $\frac{2}{3} \times R174$ / million/ <i>miljoen</i> (OR/ OF R174 000 000)</p> <p>1A R116 million/ <i>miljoen</i> OR/ OF R116 000 000</p> <p>1MA $\frac{1}{3} \times R174$ million / <i>miljoen</i> (OR/ OF R174 000 000)</p> <p>1A R58 million/ <i>miljoen</i> OR/ OF R58 000 000 (4)</p>	<p>F</p> <p>L2</p>
<p>3.3.3</p>	<p>4 weeks/ <i>weke</i> x 7 = 28 Days/ <i>dae</i> ✓A</p> <p style="text-align: center;">✓MCA ✓M</p> <p>Albums = $\frac{28}{5} \times R2,4$ million/ <i>miljoen</i></p> <p>= R13,44 million/ <i>miljoen</i> ✓CA</p> <p>OR/ OF</p> <p>4 weeks/ <i>weke</i> x 7 = 28 Days/ <i>dae</i> ✓A</p> <p style="text-align: center;">✓MCA ✓M</p> <p>Albums = $\frac{28}{5} \times R2\,400\,000$</p> <p>= R13 440 000 ✓CA</p>	<p>1A 4 weeks/ <i>weke</i> x 7 = 28 Days/ <i>dae</i></p> <p>1MCA $\frac{28}{5}$</p> <p>1M x R2,4million/ <i>miljoen</i></p> <p>1CA R13,44 million</p> <p>OR/ OF 1A 4 weeks/ <i>weke</i> x 7 = 28 Days/ <i>dae</i></p> <p>1MCA $\frac{28}{5}$</p> <p>1M x R2 400 000</p> <p>1CA R13 440 000 (4)</p>	<p>F</p> <p>L2</p>



<p>3.4</p>	<p>Total Followers/ <i>Totale aantal aanhangers</i></p> <p>= R95,3 million/ <i>miljoen</i> + R281 million/ <i>miljoen</i> + R56,6 million/ <i>miljoen</i> + R80 million/ <i>miljoen</i> + R24,9 million/ <i>miljoen</i> ✓MA</p> <p>= R537,8 million/ <i>miljoen</i> ✓A</p> <p>= R537 800 000 > R500 000 thousand/ <i>duisend</i> (R500 000 000) ✓R</p> <p>OR/ OF</p> <p>R95 300 000 + R281 000 000 + 56 600 000 + 80 000 000 + 24 900 000 ✓MA</p> <p>= R537 800 000 ✓A > R500 000 thousand/ <i>duisend</i> (R500 000 000) ✓R</p>	<p>1MA Addition/ <i>bytel</i></p> <p>1A R537,8 million/ <i>miljoen</i></p> <p>1R R537 800 000 > R500 000 Thousand/ <i>duisend</i> (R500 000 000)</p> <p>OR/ OF</p> <p>1MA Addition/ <i>bytel</i></p> <p>1A R537 800 000</p> <p>1R R537 800 000 thousand / <i>duisend</i> >R500 000 Thousand/ <i>duisend</i> (R500 000 000)</p> <p>(3)</p>	<p>D</p> <p>L4</p>
<p>[27]</p>			

QUESTION/ VRAAG 4 [38]

No	Solution / Oplossing	Explanation/ Verduideliking	
4.1			
4.1.1	<p>Income/ <i>Inkomste</i>: Formula/ <i>Formule</i> 1 ✓A OR/ OF 525n</p> <p>Expenses/ <i>Uitgawes</i>: Formula/ <i>Formule</i> 2 ✓A OR/ OF 8000 + 50n</p>	<p>2A Correct matching/ <i>Korrekte passing</i></p> <p>(2)</p>	<p>F</p> <p>L1</p>
4.1.2	<p>A: R8 250 ✓A</p> <p>B: R0 ✓A</p> <p>C: 50 ✓A</p>	<p>3A Correct answers/ <i>korrekte antwoorde</i></p> <p>(3)</p>	<p>F</p> <p>L3</p>
4.1.3	<p>✓A ✓A ✓A</p> 	<p>1A Starting point/ <i>begin punt</i> R8 000</p> <p>1A Point/ <i>punt</i> 30 hours/ <i>ure</i> plotted correctly at/ <i>korrek geplot by</i> R15 750</p> <p>1A Dotted line/ <i>stippel lyn</i></p> <p>(3)</p>	<p>F</p> <p>L3</p>
4.1.4	<p>Definition/ <i>definisie</i> 1 OR/ OF 1 ✓A ✓A</p>	<p>2A Correct definition/ <i>korrekte definisie</i></p> <p>(2)</p>	<p>F</p> <p>L1</p>



4.1.5	X on graph/ <i>op grafiek</i> ✓ CA Approx/ <i>Ongeveer</i> 17,5 hours/ <i>ure</i> \cong 18 hours/ <i>ure</i> ✓ CA(RO) Charge per hour so 18 hours / <i>Heffing per uur</i> so 18 <i>ure</i> . Accept 17		1CA X on graph/ <i>op grafiek</i> 1CA(RO) 17,5 hours/ <i>ure</i> \cong 18 hours/ <i>ure</i> (2)	F L2
4.1.6	Profit = Income – Expenses/ <i>Wins = Inkomste - Uitgawes</i> $R15\ 750 = R525n - (R8\ 000 + R50n)$ ✓ MA $R15\ 750 = R475n - R8\ 000$ ✓ MCA $R23\ 750 = R475n$ ✓ MCA $n = \frac{R23\ 750}{R475}$ ✓ MCA $n = 50$ ✓ CA		1MA $R15\ 750 = R525n - (R8\ 000 + R50n)$ 1MCA $R475n - R8\ 000$ 1MCA $R23\ 750$ 1MCA Division / <i>Deel</i> $\frac{R23\ 750}{R475}$ 1CA 50 hours/ <i>ure</i> (4)	F L3
4.2				
4.2.1	a.	$\frac{1}{2}$ ✓ A	1A $\frac{1}{2}$ (1)	P L2
	b.	Product/ <i>Produk</i> 1 ✓ A	1A Product/ <i>Produk</i> 1 (1)	
	c.	$\frac{1}{2}$ ✓ A	1A $\frac{1}{2}$ (1)	
	d.	$\frac{7}{10}$ ✓ A	1A $\frac{7}{10}$ (1)	
4.2.2	Probability/ <i>Waarskynlikheid</i> ✓ MA ✓ A $= \frac{1}{2} \times \frac{7}{10} = \frac{7}{20}$ OR/ <i>OF</i> 0,35 OR/ <i>OF</i> 35%		1MA $\frac{1}{2} \times \frac{7}{10}$ 1A $\frac{7}{20}$ (2)	P L2
4.3	Cost/ <i>Koste</i> = ✓ MA ✓ MA ✓ MA $(6 \times R33,24) + (4,5 \times R52,90) + (9,5 \times R115,00)$ ✓ MA ✓ MA $+ (15 \times R345) + (2 \times R920)$ = $R199,44 + R238,05 + R1\ 092,50 + R5\ 175 + R1\ 840$ $= R8\ 544,99$ ✓ CA (one error/ een fout)		1MA $(6 \times R33,24)$ 1MA $(4,5 \times R52,90)$ 1MA $(9,5 \times R115,00)$ 1MA $(15 \times R345)$ 1MA $(2 \times R920)$ 1CA $R8\ 544,99$ (6)	F L3



4.4																		
4.4.1	Total/ <i>Totaal</i> = 95 ✓✓A <table border="1" style="margin-left: 20px;"> <tr><td>5</td><td>7</td><td>9</td><td>11</td><td>13</td></tr> <tr><td>2</td><td>4</td><td>5</td><td>7</td><td>6</td></tr> <tr><td>4</td><td>6</td><td>8</td><td>4</td><td>4</td></tr> </table>	5	7	9	11	13	2	4	5	7	6	4	6	8	4	4	2A Correct addition/ <i>Korrek opgetel</i>	D L2 (2)
5	7	9	11	13														
2	4	5	7	6														
4	6	8	4	4														
4.4.2	Pine gel $= \frac{24}{95} \times 100$ ✓A ✓M ✓MA $= 25,26\% \cong 25\%$	1A 24 numerator/ <i>teller</i> 1MA Division by/ <i>deel deur</i> 95 1M x 100	D L4 (3)															
4.4.3	<p style="text-align: center;"> ■ Handy Andy surface cleaner ■ Pine gel all purpose cleaner ■ Mr Min surface polish </p>	1A Handy Andy 9 1A Pine gel 5 1A Mr Min 8	D L3 (3)															
4.4.4	Handy Andy 15 ✓A ✓A	2A 15	D L4 (2)															
[38]																		

QUESTION/ VRAAG 5 [21]

No	Solution / Oplossing	Explanation/ Verduideliking	
5.1			
5.1.1	Commission/ <i>Kommissie</i> $= \frac{2,3}{100} \times \text{€}240\,000$ ✓MA $= \text{€}5\,520$ ✓A	1MA $\frac{2,3}{100} \times \text{€}240\,000$ 1A €5 520	F L1 (2)
5.1.2	€944,29 = R18 810 $\text{€}1 = \frac{\text{R}18\,810}{\text{€}944,29}$ ✓MA	1MA $\frac{\text{R}18\,810}{\text{€}944,29}$	F L3



	<p>✓MCA</p> <p>1€ = R19,92 ✓MCA</p>	<p>1MCA 1€ Division to/ <i>Deling tot</i> by 1</p> <p>1MCA R19,92 (3)</p>	
5.1.3	<p>Bond/ <i>Verband</i></p> <p>✓MA ✓M</p> <p>$= \frac{€31\,200}{€240\,000} \times 100$</p> <p>= 13% ✓CA(1 error)</p>	<p>1MA $\frac{€31\,200}{€240\,000}$</p> <p>1M x 100</p> <p>1CA 13%</p> <p>(3)</p>	F L2
5.2			
5.2.1	Scatterplot/ <i>Spreidingdiagram</i> ✓A ✓A	2A Scatterplot/ <i>Spreidingdiagram</i>	D L1
		(2)	
5.2.2	Discrete/ <i>Diskrete</i> ✓A ✓A	2A Discrete/ <i>Diskreet</i>	D L4
		(2)	
5.2.3	<p>2007 ✓RG</p> <p>2,7 thousand students/ <i>duisend</i> <i>studente</i> ✓RG</p> <p>OR/ <i>OF</i></p> <p>2 700 students/ <i>studente</i> ✓RG</p>	<p>1RG 2007</p> <p>1RG 2,7 thousand students/ <i>duisend studente</i></p> <p>OR/ <i>OF</i></p> <p>1RG 2 700 students/ <i>studente</i> (2)</p>	D L2
5.3	<p>First Year/ <i>Eerste jaar</i></p> <p>$R10\,000 + \frac{4,3}{100} \times R10\,000$ ✓MA</p> <p>= R10 000 + R430</p> <p>=R10 430 ✓A</p> <p>Second Year/ <i>Tweede jaar</i></p> <p>$R10\,430 + \frac{5,1}{100} \times R10\,430$ ✓MCA</p> <p>=R10 430 + R531,93</p> <p>=R10 961,93 ✓CA</p> <p>OR / <i>OF</i></p> <p>First Year/ <i>Eerste jaar</i></p> <p>$R10\,000 \times \frac{104,3}{100}$ ✓MA</p> <p>=R10 430 ✓A</p> <p>Second Year/ <i>Tweede jaar</i></p> <p>$R10\,430 \times \frac{105,1}{100}$ ✓MCA</p> <p>=R10 961,93 ✓CA</p>	<p>1MA $R10\,000 + \frac{4,3}{100} \times R10\,000$</p> <p>1A R10 430</p> <p>1MCA $R10\,430 + \frac{5,1}{100} \times R10\,430$</p> <p>1CA R10 961,93</p> <p>OR/ <i>OF</i></p> <p>1MA $R10\,000 \times \frac{104,3}{100}$</p> <p>1A R10 430</p> <p>1MCA $R10\,430 \times \frac{105,1}{100}$</p> <p>CA R10 961,93</p> <p>(4)</p>	F L3



5.4	<p style="text-align: center;">✓M✓MA</p> <p>Price without VAT/ <i>Prys sonder belasting</i></p> $= R7\ 650 \times \frac{100}{115}$ $= R6\ 652,17 \quad \checkmark A$	<p>1M Multiplication/ <i>Maal</i></p> <p>1MA $\frac{100}{115}$</p> <p>1A R6 652,17 (3)</p>	<p>F L3</p>
[21]			
GRAND TOTAL/ GROOTTOTAAL: [150]			

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