



# basic education

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

**SENIOR CERTIFICATE EXAMINATIONS/  
NATIONAL SENIOR CERTIFICATE EXAMINATIONS  
SENIORSERTIFIKAAT-EKSAMEN/  
NASIONALE SENIORSERTIFIKAAT-EKSAMEN**

**MATHEMATICAL LITERACY P1/  
WISKUNDIGE GELETTERDHEID V1**

**MAY/JUNE/MEI/JUNIE 2025**

**MARKING GUIDELINES/NASIENRIGLYNE**

**MARKS/PUNTE: 150**

<b>Symbol/Kode</b>	<b>Explanation/Verduideliking</b>
<b>MA</b>	Method with accuracy/ <i>Metode met akkuraatheid</i>
<b>CA</b>	Consistent accuracy/ <i>Volgehoue akkuraatheid</i>
<b>A</b>	Accuracy/ <i>Akkuraatheid</i>
<b>C</b>	Conversion/ <i>Herleiding</i>
<b>RT</b>	Reading from a table/graph/document/diagram/ <i>Lees vanaf tabel/grafiek/dokument/diagram</i>
<b>SF</b>	Correct substitution in a formula/ <i>Korrekte vervanging in 'n formule</i>
<b>O</b>	Opinion/Explanation/ <i>Opinie/Verduideliking</i>
<b>P</b>	Penalty, e.g. for no units, incorrect rounding off, etc./ <i>Penalisasie, bv. vir geen eenhede, verkeerde afronding, ens.</i>
<b>R</b>	Rounding off/ <i>Afronding</i>
<b>NPR</b>	No penalty for rounding/ <i>Geen penalisasie vir afronding nie</i>
<b>NPU</b>	No penalty for omitting correct unit/ <i>Geen penalisasie vir die uitlos van die korrekte eenheid nie.</i>
<b>AO</b>	Answer only/ <i>Slegs antwoord</i>
<b>MCA</b>	Method with consistent accuracy/ <i>Metode met volgehoue akkuraatheid</i>
<b>RCA</b>	Rounding consistent with accuracy/ <i>Afronding met volgehoue akkuraatheid</i>

**These marking guidelines consist of 20 pages.  
*Hierdie nasienriglyne bestaan uit 20 bladsye.***

**NOTE:**

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error 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 awarded if relevant calculations of **at least**  $\frac{1}{3}$  of the maximum mark of the sub-question has been awarded.
- 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 geneem en ekstra antwoorde gee, penaliseer vir elke ekstra item.
- Afronding tel as 'n afsonderlike punt.
- Die algemene beginsel van merk as 'n leerder een fout maak, word een punt afgetrek.
- 'n Gevolgtrekkingspunt kan slegs gegee word indien relevante berekening van **ten minste**  $\frac{1}{3}$  van die maksimumpunt van die subvraag toegeken is.
- Geen penalisering vir ronding (NPR) as die eerste desimaal korrek is nie, behalwe as vrae geld insluit.

QUESTION/VRAAG 1 [29 MARKS/PUNTE]		ANSWER ONLY FULL MARKS	
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.1	Smartmobile ✓✓A	2A correct service provider (2)	F L1 E
1.1.2	<p>Total / Totaal ✓RT = R75 + R75 + R75 ✓MA = R225 ✓A</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>Total / Totaal ✓RT = R75 × 3 ✓MA = R225 ✓A</p>	<p>1RT correct value (R75) 1MA adding values 1A simplification</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>1RT correct value (R75) 1MA multiply by 3 1A simplification (3)</p>	F L1 E

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
1.1.3	<p>1 000 MB = 1 GB</p> <p>Cost per MB / <i>Koste per MB</i></p> $= \frac{R100,00}{1000} \checkmark \text{MA}$ $= R0,10 / 10c \checkmark \text{A}$	<p>1MA dividing by 1 000</p> <p>1A simplification</p> <p>(2)</p>	F L1 M
* 1.1.4	<p>Probability / <i>Waarskynlikheid</i></p> $= \frac{2}{3}$ $= 0,6666666667 \checkmark \text{A}$ $= 0,67 \checkmark \text{R}$	<p>1A correct decimal</p> <p>1R correct rounding</p> <p>(2)</p>	P L1 E
1.2.1	Beryl $\checkmark \checkmark \text{RT}$	<p>2RT correct option</p> <p>(2)</p>	F L1 E
* 1.2.2	<p>Salary bracket / <i>Salaris hakkie</i></p> $= 15\,822 - 27\,324 \checkmark \checkmark \text{RT}$	<p>2RT correct bracket</p> <p>(2)</p>	F L1 E
* 1.2.3	<p>Total contribution / <i>Totale bydrae</i></p> $\checkmark \text{RT}$ $= R1\,669 + R1\,656 + 2(R952) \checkmark \text{MA}$ $= R5\,229 \checkmark \text{A}$	<p>1RT all 3 correct values</p> <p>1MA adding values</p> <p>1A simplification</p> <p>(3)</p>	F L1 E
1.2.4	<p>Difference / <i>Verskil</i></p> $\checkmark \text{RT} \quad \checkmark \text{RT}$ $= R3\,180 - R1\,821$ $= R1\,359 \checkmark \text{A}$	<p>1RT R3 180</p> <p>1RT R1 821</p> <p>1A simplification</p> <p>(3)</p>	F L1 M

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
* 1.3.1	<p>Inflation is the increase in the price of goods and services over a given period of time / <i>Inflasie is die verhoging in die prys van goedere en dienste oor 'n gegewe tydperk.</i> ✓✓A</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>Decrease in the purchasing power of a currency over a given period of time / <i>Afname in die koopkrag van geld oor 'n periode van tyd.</i> ✓✓A</p>	<p>2A correct definition</p> <p style="text-align: right;">(2)</p>	F L1 E
1.3.2	Continuous data / <i>Kontinue data</i> ✓✓A	<p>2A correct classification</p> <p style="text-align: right;">(2)</p>	D L1 E
1.3.3	2,5 ✓✓RT	<p>2RT correct value</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Accept: 2,5%</div> <p style="text-align: right;">(2)</p>	D L1 E
1.3.4	<p style="text-align: center;">✓RT</p> <p>4,6 3,6 3,2 2,6 1,8 1,7 – 3,0 ✓A</p>	<p>1RT correct values</p> <p>1A correct order</p> <p style="text-align: right;">(2)</p>	D L1 M
1.3.5	<p>✓RT</p> <p>2025 and / <i>en</i> 2026 ✓RT</p>	<p>1RT 2025</p> <p>1RT 2026</p> <p style="text-align: right;">(2)</p>	D L1 E
		<b>[29]</b>	

QUESTION/VRAAG 2 [35 MARKS/PUNTE]			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
2.1.1	Cols-Medical Supplies ✓✓A	2A correct name Accept: Cols (2)	F L1 E
2.1.2 (a)	True / Waar ✓✓A	2A correct choice (2)	F L2 E
2.1.2 (b)	✓A False – Provident fund contribution code 4003 Onwaar – Voorsorgfondsbydrae-kode 4003 ✓A  <b>OR / OF</b> ✓A False – There is a deduction of R36 005,00 Onwaar – Daar is 'n aftrekking van R36 005,00 ✓A	1A false 1A correct reason (2)	F L1 E
2.1.3 (a)	Total / Totaal  = R254 805,24 + R4 250,88 + R5 702,69 ✓MA = R264 758,81 ✓A	1MA adding 3 values 1A simplification <b>AO</b> (2)	F L1 E
2.1.3 (b)	Employee's debt / Werknemer se skuld  = R895 108 – (R564 467 + R38 093 + R87 369 + R154 839 + R36 005) ✓MA  = R895 108 – R880 773 ✓MA = R14 335 ✓CA	1MA adding all the values  1MA subtracting from total 1CA simplification <b>AO</b> (3)	F L2 M
* 2.1.4	Total UIF / Totale WVF  = R4 250,88 ✓RT  Ms Khan's contribution = $\frac{R4\ 250,88}{2}$ ✓MA = R2 125,44 ✓A  Monthly contribution = $\frac{R2\ 125,44}{12}$ ✓MA = R177,12 ✓CA  <b>OR / OF</b>	1RT reading the correct value  1MA dividing by 2 1A simplification  1MA dividing by 12 1CA simplification  <b>OR / OF</b>	F L3 D

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	<p>Total UIF / Totale WVF</p> <p>= R4 250,88 ✓RT</p> <p>Monthly contributions = <math>\frac{R4\ 250,88}{12}</math> ✓MA = R354,24 ✓A</p> <p>Ms Khan's contribution = <math>\frac{R354,24}{2}</math> ✓MA = R177,12 ✓CA</p>	<p>1RT reading the correct value</p> <p>1MA dividing by 12</p> <p>1A simplification</p> <p>1MA dividing by 2</p> <p>1CA simplification</p> <p>(5)</p>	
2.1.5	<p>Taxable income / Belasbare inkomste</p> <p>✓SF</p> <p>= R895 108 – (R36 005 × 2) – (20% × R154 839) ✓MA ✓A</p> <p>= R895 108 – R72 010 – R30 967,80 ✓CA</p> <p>= R792 130,20 ✓CA</p> <p><b>OR / OF</b></p> <p>Non-taxable travel allowance / Nie-belasbare reistoelae</p> <p>= (20% × R154 839) ✓MA</p> <p>= R30 967,80 ✓CA</p> <p>Taxable income / Belasbare inkomste</p> <p>= R895 108 – (R36 005 × 2) – R30 967,80 ✓SF ✓A</p> <p>= R895 108 – R72 010 – R30 967,80</p> <p>= R792 130,20 ✓CA</p> <p><b>OR / OF</b></p>	<p>1SF substitution</p> <p>1MA calculating 20%</p> <p>1A total provident fund</p> <p>1CA travel allowance</p> <p>1CA taxable income</p> <p><b>OR / OF</b></p> <p>1MA calculating 20%</p> <p>1CA travel allowance</p> <p>1SF substitution</p> <p>1A total provident fund</p> <p>1CA taxable income</p> <p><b>OR / OF</b></p>	F L3 M

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	<p>Non-taxable travel allowance / <i>Nie-belasbare reistoelae</i></p> <p>= R154 839 – R123 871 ✓MA = R30 968 ✓CA</p> <p>Taxable income / <i>Belasbare inkomste</i></p> <p>= R895 108 – (R36 005 × 2) – R30 968 ✓SF ✓A = R895 108 – R72 010 – R30 968 = R792 130 ✓CA</p>	<p>1MA subtracting values 1CA travel allowance (using the table values)</p> <p>1SF substitution</p> <p>1A total provident fund</p> <p>1CA taxable income (5)</p>	
* 2.2	<p>Income tax before rebate / <i>Inkomstebelasting voor kortings</i> ✓A = R170 734 + 39% (R792 130,20 – R641 400) ✓SF = R170 734 + 39% (R150 730,20) = R170 734 + R58 784,78 = R229 518,778 ✓CA</p> <p>Income tax after rebate / <i>Inkomstebelasting na kortings</i></p> <p>= R229 518,778 – R16 425 ✓RT = R213 093,78 ✓CA</p> <p>Her statement is VALID / <i>Haar stelling is GELDIG.</i> ✓O</p>	<p><b>CA from Question 2.1.5</b></p> <p>1A correct bracket 1SF correct substitution</p> <p>1CA tax before rebate CA only if subtraction in bracket</p> <p>1RT rebate 1CA simplification</p> <p>1O conclusion (6)</p>	F L4 D

(6)



QUESTION/VRAAG 3 [34 MARKS/PUNTE]			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
3.1.1	Kwa-Zulu Natal / KZN ✓✓RT	2RT correct province (2)	D L1 E
* 3.1.2	✓RT 231 : 11 ✓MA 21 : 1 ✓CA	1RT correct values  1MA correct order 1CA simplification <b>AO</b> (3)	D L2 M
3.1.3	<p>Total of all the values / <i>Totaal van al die waardes</i></p> <p>= Mean / <i>Gemiddeld</i> <math>\times 9</math>            = <math>2333,3 \times 9</math> ✓MA            = 21 000 ✓A</p> <p>Value of A / <i>Waarde van A</i></p> <p>= <math>21\,000 - (4\,441 + 945 + 2\,064 + 5\,068 + 3\,470 + 525 + 1\,421 + 1\,452)</math> ✓SF            = <math>21\,000 - 19\,386</math> ✓A            = 1 614 ✓CA</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>Mean = <span style="float: right;">✓MA</span>  <math display="block">\frac{4\,441 + 945 + 2\,064 + 5\,068 + 3\,470 + A + 525 + 1\,421 + 1\,452}{9}</math>           ✓SF  <math>2\,333,3 = \frac{4\,441 + 945 + 2\,064 + 5\,068 + 3\,470 + A + 525 + 1\,421 + 1\,452}{9}</math>            ✓MA  <math>2\,333,3 \times 9 = 19\,386 + A</math>  <math>A = 21\,000 - 19\,386</math> ✓A  <math>A = 1\,614</math> ✓CA</p> <p style="text-align: center;"><b>OR / OF</b></p>	<p>1MA reverse mean calculation 1A finding total value</p> <p>1SF concept of mean 1A 19 386 1CA simplification</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>1MA concept of mean</p> <p>1SF correct substitution</p> <p>1MA multiplying by 9 1A 19 386 1CA simplification</p> <p style="text-align: center;"><b>OR / OF</b></p>	D L3 M

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	$A = 2\,333,333333 \times 9 - (4\,441 + 945 + 2\,064 + 5\,068 + 3\,470 + 525 + 1\,421 + 1\,452)$ $A = 21\,000 - 19\,386$ $A = 1\,614$	1MA multiplying by 9 1SF correct substitution 1MA changing the subject of the formula 1A 19 386 1CA simplification (5)	
3.1.4	1; 2; 2; 5; <b>6</b> ; 12; 227; 440; 590 ✓MA Median / Mediaan = 6 ✓A ✓A Gauteng = 6 His statement is CORRECT / Sy bewering is KORREK. ✓O OR / OF $1 \quad 2 \quad 2 \quad 5 \quad \underline{6} \quad 12 \quad 227 \quad 440 \quad 590$ $MP \quad NW \quad WC \quad FS \quad \underline{GP} \quad NC \quad LP \quad KZN \quad EC$ His statement is CORRECT / Sy bewering is KORREK. ✓O	1MA arranging values 1A identifying the median 1A correct province 1O conclusion OR / OF 1MA arranging values 1A identifying the median 1A correct province 1O conclusion (4)	D L4 M
3.2.1	Kwa-Zulu Natal / Kwa-Zulu Natal $= 100\% - (22,33\% + 16,15\% + 9,14\% + 7,30\% + 6,43\% + 13\%)$ $= 100\% - 74,35\%$ $= 25,65\%$	1RT correct values 1MA adding and subtracting 1A simplification AO (3)	P L2 M

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
3.2.2	<p>North West / <i>Noordwes</i></p> <p><math>= 13\% - 4,18\% - 2,41\%</math>  <math>= 6,41\%</math> ✓A</p> <p>Number of schools / <i>Aantal skole</i></p> <p><math>= 22\,597 \times \frac{6,41}{100}</math> ✓MCA</p> <p><math>= 1\,448,4677</math> ✓CA</p> <p><math>= 1\,448</math> ✓R</p>	<p>1A correct percentage</p> <p>1MCA percentage calculation</p> <p>1CA simplification</p> <p>1R correct rounding  <div style="border: 1px solid black; padding: 2px;">Accept: 1 449</div></p> <p>(4)</p>	D L3 M
3.3.1	<p>Total TWh / <i>Totale TWh</i></p> <p>✓RT</p> <p><math>= 397,88 + 55,43 + 50,34 + 6,59</math> ✓MA</p> <p><math>= 510,24</math> ✓CA</p>	<p>1RT correct values</p> <p>1MA adding values</p> <p>1CA simplification</p> <p>(3)</p>	D L1 E
3.3.2	<p>South Africa / <i>Suid-Afrika</i></p> <p>✓SF</p> <p>% difference <math>= \frac{8,36 - 2,5}{2,5} \times 100\%</math> ✓A</p> <p><math>= 234,4\%</math> ✓CA</p> <p>Brazil / <i>Brasilië</i></p> <p>✓SF</p> <p>% difference <math>= \frac{362,82 - 373,44}{373,44} \times 100\%</math></p> <p><math>= -2,84383033419\%</math> ✓CA</p> <p>Difference / <i>Verskil</i></p> <p><math>= 234,4\% - (-2,84383033419\%)</math> ✓MCA</p> <p><math>= 234,4\% + 2,84383033419\%</math></p> <p><math>= 237,24384804\%</math></p> <p>His statement is VALID / <i>Sy stelling is GELDIG.</i> ✓O</p>	<p>1SF correct values</p> <p>1A correct denominator</p> <p>1CA simplification</p> <p>1SF correct values</p> <p>1CA simplification</p> <p>1MCA subtracting values</p> <p>1O conclusion</p> <p>(7)</p>	D L4 D

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
3.3.3	<p>Different scale used / <i>Verskillende skaal gebruik.</i> ✓✓O</p> <p><b>OR / OF</b></p> <p>The intervals used for South Africa are much smaller / <i>Die intervalle wat vir Suid-Afrika gebruik was, is baie kleiner.</i> ✓✓O</p> <p><b>OR / OF</b></p> <p>If one only looks at the graphs without looking at the scale of the vertical axes, you can easily make that mistake. South Africa only generated slightly more than 6 TWh, while Brazil generated above the 50 TWh line. <i>Indien 'n persoon net na die grafiek kyk sonder om die skaal in ag te neem, kan jy maklik 'n fout maak. Suid-Afrika het net meer as 6 TWh gegenereer terwyl Brasilië meer as die 50 TWh merk gegenereer het.</i> ✓✓O</p>	<p>2O conclusion</p> <p>(2)</p>	<p>D L4 M</p>
		[33]	

<b>QUESTION/VRAAG 4 [25 MARKS/PUNTE]</b>			
<b>Q/V</b>	<b>Solution/Oplossing</b>	<b>Explanation/Verduideliking</b>	<b>T&amp;L</b>
* 4.1.1	R356 100 000 000 / R356,1 billion / <i>miljard</i> ✓RT  Three hundred and fifty six billion one hundred million rand. <i>Drie honderd ses en vyftig miljard een honderd miljoen rand.</i> ✓A	1RT correct amount  1A correct wording <b>NPU</b>  (2)	F L1 E
4.1.2	✓MA <b>B</b> = 480,6 + 271,9 + 387,3 + 265,3 + 255,4 + 244,0 + 74,7 + 2,6 + 382,2 + 5,0 ✓MA  = 2 369 ✓A	1MA adding first 8 values  1MA adding 382,2 and 5,0  1A simplification <b>AO</b>  (3)	F L2 E
* 4.1.3	Total amount / <i>Totale bedrag</i> ✓RT = (385 + 274,9) billion ✓MA = 659,9 billion ✓A  = 659 900 million / <i>miljoen</i> ✓CA  <b>OR / OF</b>  Total amount / <i>Totale bedrag</i> ✓RT ✓A = 385 000 million + 259 900 million ✓MA  = 659 900 million / <i>miljoen</i> ✓CA	1RT reading correct values 1MA adding correct values 1A simplification  1CA value in millions  <b>OR / OF</b>  1RT reading correct values 1A values in millions 1MA adding correct values 1CA simplification  (4)	F L2 M

Q/V	Solution/Ooplossing	Explanation/Verduideliking	T&L
4.1. 4	<p style="text-align: center;"><b>GOVERNMENT EXPENSES</b></p> <p>Amount in billions</p> <p>Learning and culture      Social development      Economic development      Peace and security</p> <p>—●— 2023      ...●... 2024      —●— 2025</p> <p>1A 1 first point plotted correctly  1A 1 end point plotted correctly  1A 2 middle points plotted correctly  1CA joining at least 3 points (at least one point must be correct)  NOTE: Allow <math>\pm 1</math> mm variance on either side of the points</p>		D L2 M

(4)

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.2.1	30 – 39 ✓✓RT	2RT identifying mode (2)	D L2 E
4.2.2	<p>Total number / <i>Totale aantal</i></p> <p>= 12 409 891 + 15 313 929 = 27 723 820 ✓A</p> <p>Probability / <i>Waarkynlikheid</i> ✓RT</p> $= \frac{12\,409\,891}{27\,723\,820} \times 100\%$ <p>✓MCA</p> <p>= 44,76% ✓CA</p>	<p>1A correct total</p> <p>1RT correct numerator (12 409 891)</p> <p>1MCA concept of probability</p> <p>1CA simplification (4)</p>	P L2 M
4.2.3	<p>Range = Highest number of voters – Lowest number of voters <i>Omvang = Hoogste getal kiesers – Laagste getal kiesers</i> ✓A</p> <p>5 885 202 = 6 542 033 – L ✓SF</p> <p>6 542 033 – 5 885 202 = L ✓MA</p> <p>L = 656 831 ✓CA</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>Total number of voters / <i>Aantal kiesers</i></p> <p>= 12 409 891 + 15 313 929 = 27 723 820 ✓A</p> <p style="text-align: right;">✓SF</p> <p>L = 27 723 820 – (3 439 325 + 1 456 935 + 6 542 033 + 5 738 272 + 2 779 668 + 2 025 074 + 1 768 580 + 3 317 102) ✓MA</p> <p>= 27 723 820 – 27 066 989 = 656 831 ✓CA</p>	<p>1A correct concept</p> <p>1SF correct substitution</p> <p>1MA changing the subject of the formula</p> <p>1CA simplification <b>AO</b></p> <p style="text-align: center;"><b>OR / OF</b></p> <p>1A total voters</p> <p>1SF correct substitution</p> <p>1MA adding and subtracting</p> <p>1CA simplification <b>AO</b> (4)</p>	D L2 M

Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
* 4.2.4	<p>From 20 – 39 years the number of registered female voters increases / <i>Vanaf 20 tot 39 jaar vermeerder die aantal geregistreerde vroulike stemmers.</i> ✓O</p> <p>From 40 years and above the number of registered female voters decreases / <i>Vanaf 40 jaar en ouer verminder die aantal gerigestreerde vroulike stemmers.</i> ✓O</p>	<p>10 age and voters increase</p> <p>10 age increase voters decrease</p> <p>(2)</p>	D L4 M
		[25]	



QUESTION/VRAAG 5 [28 MARKS/PUNTE]			
Q/V	Solution/Oplissing	Explanation/Verduideliking	T&L
* 5.1.1	I ✓✓A	2A correct player (2)	D L2 M
* 5.1.2	<p>Player / Speler G: ✓RT = 30 : 21 = 1 : 0,7 ✓CA</p> <p>Player / Speler C: ✓RT = 50 : 28 = 1 : 0,56 ✓CA</p> <p>His statement is VALID / Sy bewering is GELDIG ✓O</p>	<p>1RT both correct values 1CA simplification</p> <p>1RT both correct values 1CA like simplification</p> <p>1O verification (5)</p>	D L4 M
5.1.3	<p>Annual salary / Jaarliks salaris</p> <p>€18 000 = 18 000 × 656 XOF ✓C</p> <p>= 11 808 000 XOF ✓A</p> <p>Monthly salary / Maandeliks salaris</p> <p>= <math>\frac{11\,808\,000}{12}</math> XOF ✓MA</p> <p>= 984 000 XOF ✓CA</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>Monthly salary in euro / Maandelikse salaris in euro</p> <p>= <math>\frac{18\,000}{12}</math> euros ✓MA</p> <p>= €1 500 ✓</p> <p>Monthly salary in XOF / Maandelikse salaris in XOF</p> <p>€1 = 656 XOF</p> <p>∴ €1 500 = 1 500 × 656 XOF ✓C</p> <p>= 984 000 XOF ✓CA</p>	<p>1C converting to XOF</p> <p>1A simplification</p> <p>1MA dividing by 12</p> <p>1CA simplification</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>1MA dividing by 12</p> <p>1A simplification</p> <p>1C converting to XOF</p> <p>1CA simplification (4)</p>	F L2 M

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
5.1.4	<p>Amount end of year 1 / <i>Bedrag einde jaar 1</i></p> $= € 2\,500 \times \frac{112,6}{100} \quad \checkmark \text{MA}$ $= € 2\,815 \quad \checkmark \text{CA}$ <p>Amount end of year 2 / <i>Bedrag einde jaar 2</i></p> $= € 2\,815 \times \frac{112,6}{100}$ $= € 3\,169,69 \quad \checkmark \text{CA}$ <p>Interest for half of year 3 / <i>Rente vir helfte van jaar 3</i></p> $= € 3\,169,69 \times \frac{12,6}{100} \times \frac{6}{12} \quad \checkmark \text{MA}$ $= € 199,69$ <p>Total amount / <i>Totale bedrag</i></p> $= € 3\,169,69 + € 199,69$ $= € 3\,369,38 \quad \checkmark \text{CA}$ <p style="text-align: center;"><b>OR / OF</b></p> <p>Amount end of year 2 / <i>Bedrag einde jaar 2</i></p> $\checkmark \text{MA}$ $= € 2\,500 \times \frac{112,6}{100} \times \frac{112,6}{100} \quad \checkmark \text{MA}$ $= € 3\,169,69 \quad \checkmark \text{CA}$ <p>Interest for half of year 3 / <i>Rente vir helfte van jaar 3</i></p> $= € 3\,169,69 \times \frac{12,6}{100} \times \frac{6}{12} \quad \checkmark \text{MA}$ $= € 199,69$ <p>Total amount / <i>Totale bedrag</i></p> $= € 3\,169,69 + € 199,69$ $= € 3\,369,38 \quad \checkmark \text{CA}$	<p>1MA calculating interest</p> <p>1CA simplification</p> <p>1CA amount for year 2</p> <p>1MA calculating months</p> <p>1CA simplification</p> <p style="text-align: center;"><b>OR / OF</b></p> <p>1MA interest year 1</p> <p>1MA interest year 2</p> <p>1CA amount for year 2</p> <p>1MA calculating months</p> <p>1CA simplification</p>	<p>F</p> <p>L3</p> <p>M</p>

Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	<p style="text-align: center;"><b>OR / OF</b></p> <p>Interest for year 1 / <i>Rente vir jaar 1</i></p> $= €2\,500 \times \frac{12,6}{100} \quad \checkmark \text{MA}$ <p>Amount at end of year 1 / <i>Bedrag aan einde van jaar 1</i></p> $= €2\,500 + €315$ $= €2\,815 \quad \checkmark \text{CA}$ <p>Amount at end of year 2 / <i>Bedrag aan einde van jaar 1</i></p> $= €2\,815 + €2\,815 \times \frac{12,6}{100}$ $= €2\,815 + €354,69$ $= €3\,169,69 \quad \checkmark \text{CA}$ <p>Interest for half of year 3 / <i>Rente vir helfte van jaar 3</i></p> $= €3\,169,69 \times \frac{12,6}{100} \times \frac{6}{12} \quad \checkmark \text{MA}$ $= €199,69$ <p>Total amount / <i>Totale bedrag</i></p> $= €3\,169,69 + €199,69$ $= €3\,369,38 \quad \checkmark \text{CA}$	<p style="text-align: center;"><b>OR / OF</b></p> <p>1MA calculating interest</p> <p>1CA simplification</p> <p>1CA amount for year 2</p> <p>1MA calculating months</p> <p>1CA simplification</p> <p style="text-align: right;">(5)</p>	
5.2.1	8 $\checkmark \checkmark$ RT	2RT correct value (2)	D L2 E
* 5.2.2	<p>Prize money / <i>Prysgeld</i></p> <p>Previous + 40% = 2024</p> <p>2024 = 140% <math>\checkmark \text{A}</math></p> $= \$32\,000\,000 \times \frac{100}{140} \quad \checkmark \text{MA}$ <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> <b>OR / OF</b>  <math>\div 1,4</math> </div> $= \$22\,857\,142,86 \quad \checkmark \text{CA}$ $= \$22\,857\,143 \quad \checkmark \text{R}$	<p>1A calculating 140%</p> <p>1MA percentage calculation</p> <p>1CA simplification</p> <p>1R rounding</p> <p style="text-align: right;">(4)</p>	F L3 E

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