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INSTRUCTIONS AND INFORMATION

- 1. This question paper consists of FOUR questions. Answer ALL the questions.
- 2. Use the ANNEXURES to answer the following questions:

ANNEXURE A for QUESTION 2 ANNEXURE B for QUESTION 4.1

- 3. Number the answers correctly according to the numbering system used in this question paper.
- 4. Start EACH question on a NEW page.
- 5. You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.
- 6. Show ALL calculations clearly.
- 7. Round off ALL final answers appropriately according to the given context, unless stated otherwise.
- 8. Indicate units of measurement, where applicable.
- 9. Maps and diagrams are NOT drawn to scale, unless stated otherwise.
- 10. Write neatly and legibly.



QUESTION 1

1.1	TABL	E 1 below contains a list of explanations and definitions of concepts used in			
Ц	Mathematical Literacy.				
D	E 1: EXPLANATIONS AND DEFINITIONS OF CONCEPTS				
	A	A change from one system / unit to another.			
B The total distance around the boundary or edge that outlines a		The total distance around the boundary or edge that outlines a specific			
shape.					
C The measurement between two points, in a straight line.		The measurement between two points, in a straight line.			
D Measurement that uses metres, litres, kilograms, etc.		Measurement that uses metres, litres, kilograms, etc.			
E Using an instrument to determine size, weight etc.					
	F An indication of how heavy an object is.				

Use TABLE 1 above to write down the letter of the explanation or definition (A to F) of EACH of the concepts.

1.1.1	Length	(2)
1.1.2	Metric system	(2)
1.1.3	Perimeter	(2)

1.2 The picture below show a tin of Clover Full Cream Condensed Milk 385g and a diagram of the condensed milk tin with its dimensions.

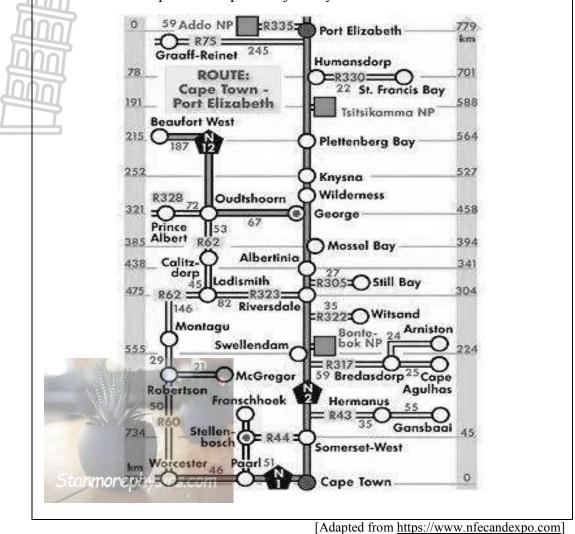
PICTURE OF A TIN OF CONDENSED MILK	DIAGRAM OF A TIN OF CONDENSED MILK WITH DIMENSIONS
Condensed Milk Sweetened Leite Condensado	75 mm 90 mm Sternorephysics co

Use the information above to answer the questions that follow.

- 1.2.1 Determine the radius of the condensed milk tin. (2)
- 1.2.2 Convert 385g to kilograms.

(2)

1.3 Mr Kingsley will be travelling from Port Elizabeth to Cape Town for a meeting. He will use the map below to plan his journey.



Use the map above to answer the questions that follow.

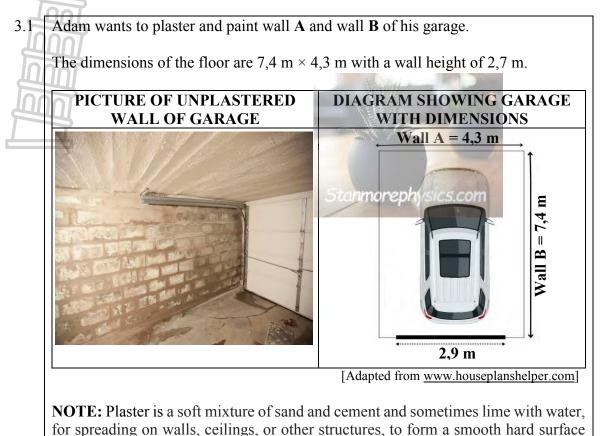
1.3.1	Iden	tify the type of map used above.	(2)
1.3.2	Nam	he the national route between Port Elizabeth and Cape Town.	(2)
1.3.3	Writ	te down the actual distance between Port Elizabeth and Humansdorp.	(2)
1.3.4	after	Kingsley decides to visit his brother in McGregor before going home the meeting in Cape Town. He takes the N1. distance between Worcester and Robertson is 50 km.	
	(a)	Name two towns he will pass when travelling from Cape Town to McGregor.	
	(b)	Calculate the total distance he will travel to McGregor from	(2)
	(0)	Cape Town.	(2)
		•	[20]

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QUESTION 2

	NEXURE A shows the layout plan of a conference room that is used by the College	
of Ei	ngineering staff.	
Use .	ANNEXURE A to answer the questions that follow.	
2.1	Determine how many people can be seated comfortably on the couch.	(2)
2.2	Write down the number of chairs against the West wall.	(2)
2.3	Determine the simplified ratio of the total number of tables to the number of chairs in the conference room, excluding the couch.	(3)
2.4	Write down the number of power outlets available in this conference room.	(2)
2.5	Determine the probability, as a percentage, of getting a telephone next to the overhead projector.	(2)
2.6	One of the members attending the conference, worked inside the conference room and followed the following route:	
	 Turned right after entering the door Walked towards the white board passing the floor shelving on his right He turned left and took the fourth chair 	
	Write down the table number he is sitting at.	(2)
2.7	The actual inside length of the conference room is 11 m.	
	(a) Measure the inside length of the conference room on the layout plan, in cm.	(2)
	(b) Hence, calculate the scale used in this layout plan. Round your answer to the nearest ten.	(4)
2.8	Determine the probability, as a decimal, of selecting a chair around the table that is an odd number.	(3)
2.9	Give ONE reason why there is a wall cabinet in the conference room.	(2) [24]

QUESTION 3



when dried.

Use the information above to answer the questions that follow.

3.1.1 Calculate, in m^2 , the total surface area of the two walls that need to be plastered.

You may use the following formula:

Area of a wall = length × width

3.1.2 The plaster on the walls has the same thickness of 12 mm.

Determine, in cm³, the volume of plaster required to plaster these two walls.

You may use the following formula:

Volume of plaster = area of walls × thickness of plaster

(5)

(5)

(2)

(3)

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3.2 Adam also intends painting the two walls using the Ultra Zerovoc interior latex paint. The information about the latex paint is given below. **INFORMATION** Latex paint Dry to the touch in about 1 hour, and there after you can safely recoat in 4 hours. 1 l paint will cover 6 metres squared X PAINT (m^2) of wall. EGGSHELL WHITE **NOTE**: 1 gallon = 3,785 ℓ [Adapted from https://www.dulux.ca/pro/products/interior-paint/ultra-zero-cov

Use the information above to answer the questions that follow.

- 3.2.1 Convert 3,785 litres (ℓ) to millilitres $(m\ell)$.
- 3.2.2 It will take Adam 60 minutes to paint the two walls.

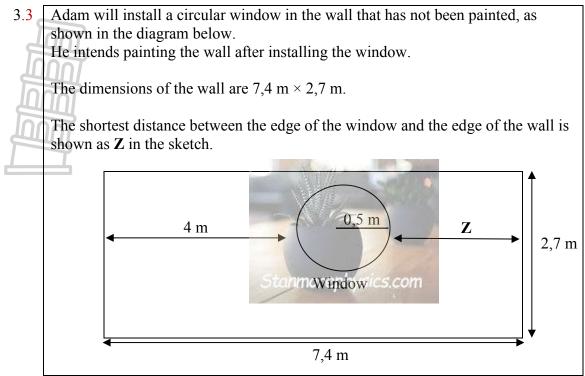
Determine the time that Adam must start painting if he wants to apply the second coat at 11:30.

3.2.3 Adam rounded the total surface area up to 35 m^2 , in case he needs more paint.

Calculate the amount of paint Adam will use to paint the garage walls. Round the amount of paint needed up to the nearest 5 ℓ . (3)



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[Adapted from www.pella.com]

Use the information above to answer the questions that follow.

- 3.3.1 Determine the value of Z.
- 3.3.2 Calculate the circumference, in cm, of the window.

You may use the following formula:

Circumference of a circle = $\pi \times d$, where d = the diameter of the window, and using $\pi = 3,142$ (4)

[25]

(3)



QUESTION 4

	001		
4.1	Conra	d and his three friends plan to drive to the Pilanesberg National Park.	
		will travel from Bloemfontein and stay at Pilanesberg Private Lodge.	
E			
		VUDE D shows the man of Dilanoshara National Dark with an avarying of	
		EXURE B shows the map of Pilanesberg National Park with an overview of	
	where	each Lodge or Resort is located in the park.	
	Use A	NNEXURE B and the information above to answer the questions that follow.	
		1	
	4.1.1	Identify the type of scale used in the map.	(2)
	4.1.1	identify the type of scale used in the map.	(2)
	4.1.2	Name the game lodge closest to the airport.	(2)
	4.1.3	Give the general direction of Makorwane Hide from Pilanesburg Private	
		Lodge.	(2)
		20 460	(-)

4.1.4 Conrad and his friends covers the distance of 521,6 km in 5 hours and 12 minutes. He states that their average speed is less than 120 km/h.

Verify, showing ALL calculations, whether his statement is valid.

You may use the following formula:

Distance = speed × time

4.1.5 The distance from Bloemfontein to Pilanesberg is 521,6 km. The petrol fee for the trip to Pilanesberg and back will be shared equally amongst all friends.

The vehicle has a fuel economy consumption of 7,3 $\ell/100$ km.

Calculate the total cost per person if the current fuel price per litre is R22,92. (6)



(5)

4.2 The caretakers of Pilanesberg National Park plan to build a cylindrical pool in one of the picnic sites to accommodate small children.
 The pictures below show the existing rectangular swimming pool and a cylindrical swimming pool which the caretakers plan to build at the picnic site.
 CYLINDRICAL SWIMMING POOL POOL

	Length
Inner dimensions of the pool:	Inner dimensions of the pool:
Radius (r) = 4 m	s.com Length = 8,2 m
Depth = 1 m	Width = $4,3 \text{ m}$
Tiles = $0,2 \text{ m} \times 0,2 \text{ m} (16 \text{ in a box})$	Depth = 1,75 m
NOTE: $1m^3 = 1\ 000\ \ell$	
	[Adapted from https://pngtree.com

Use the information above to answer the questions that follow.

4.2.1 Calculate, rounded to the nearest litre, the difference in capacity of the two swimming pools.

You may use the following formulae:

Volume of a cylinder = 3,142 × (radius)² × depth Volume of rectangular prism = length × width × depth

4.2.2 The total inner surface of the cylindrical pool will be tiled. The tiler states that he requires more than 100 boxes of tiles to complete the tiling.

Verify, showing ALL calculations, whether his statement is valid.

You may use the following formula:

Surface area of an open cylinder = $3,142 \times \text{radius} \times (\text{radius} + 2 \times \text{depth})$ (8)

[31]

(6)

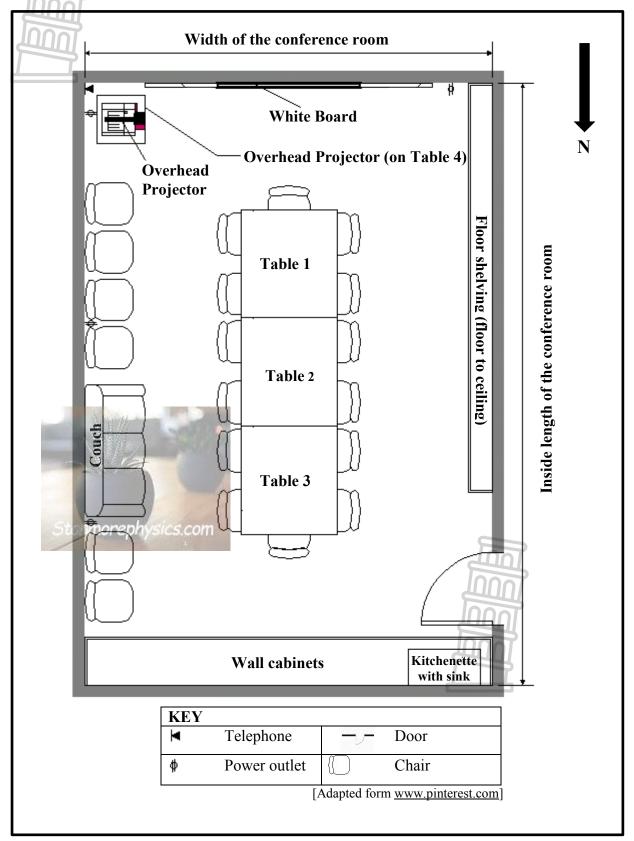
TOTAL: 100

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ANNEXURE A

QUESTION 2

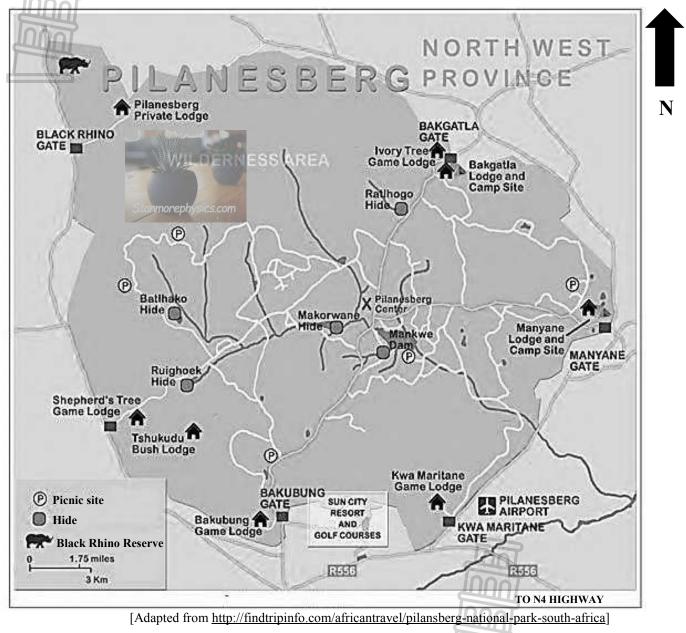
THE LAYOUT PLAN OF A BOARD ROOM



ANNEXURE B

QUESTION 4.1

THE MAP OF PILANESBERG NATIONAL PARK



Downloaded from Stanmorephysics.com education Department: Education NORTHERN CAPE GRADE/GRAAD 12 **MATHEMATICAL LITERACY P2/** WISKUNDIGE GELETTER DEEID V2 1. 1. 1/2 **MAY / JUNE 2024** 1 MARKING GUIDELINES/NASIENRIGLYNE 1

MARKS/PUNTE: 100

Symbol/Kode	Explanation/ <i>Verduideliking</i>	
MA	Method with accuracy/Metode met akkuraatheid	
СА	Consistent accuracy/Volgehoueakkuraatheid	
Α	Accuracy/Akkuraatheid	
С	Conversion/Herleiding	
S	Simplification/Vereenvoudiging	
RT	Reading from a table/graph/document/diagram/Lees	
	vanaftabel/grafiek/document/diagram	
SF	Correct substitution in a formula/Korrektevervanging in 'n formule	
0	Opinion/Explanation/Opinie/Verduideliking	
Р	Penalty, e.g. for no units, incorrect rounding off, etc./Penalisasie, bv. virgeeneenhede,	
	verkeerdeafronding, ens.	
R	Rounding off/Afronding	
NPR	No penalty for rounding/Geen penalisasie vir afronding nie	
AO	Answer only/Slegsantwoord	
MCA	Method with constant accuracy/Metode met volgehoueakkuraatheid	
J	Justification	

These marking guidelines consist of 11 pages including 2 pages of notes. *Hierdie nasienriglyne bestaan uit 11 bladsye insluitende 2 bladsye met notas.*

NOTE: C

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however it stops at the second calculation error or break-down.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra item presented.
- Rounding is an independent mark.
- General principle of marking, if the candidate makes one mistake one mark is deducted.
- A conclusion mark can only be given if relevant calculations precedes it (at least 1 mark before conclusion).
- No penalty for rounding (NPR) if the first decimal is correct, except questions involving money.

LET WEL:

- As 'n kandidaat 'n vraag TWEE KEER beantwoord, sien slegs die EERSTE poging na.
- As 'n kandidaat 'n antwoord van 'n vraag doodtrek (kanselleer) en nie oordoen nie, sien die doodgetrekte (gekanselleerde) poging na.
- Volgehoue akkuraatheid (CA) word in ALLE aspekte van die nasienriglyne toegepas; dit hou egter op by die tweede berekeningsfout of 'break-down'.
- *Wanneer 'n kandidaat aflesings vanaf 'n grafiek, tabel, uitlegplan en kaart 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 berekeninge dit voorgaan (ten minste een punt voor die gevolgtrekking).
- Geen penalisering vir ronding (NPR) as die eerste desimaal korrek is nie, behalwe as vrae geld insluit.

QUES	QUESTION/VRAAG 1 [20 MARKS/PUNTE] ANSWER ONLY FULL MARKS			
Q/V	Solution/Oplossing	Explanation/Verduideliking	T&L	
*			М	
1.1.1	C ✓✓A	2A correct explanation	L1	
		(2)		
*			М	
1.1.2	D ✓✓A	2A correct explanation	L1	
*			М	
1.1.3	B✓✓A	2A correct explanation	L1	
			М	
1.2.1	Radius / Radius		L1	
	$= 75 \text{ mm} \div 2 \checkmark \text{MA}$	1MA dividing by 2		
	= 37,5 mm ✓A	1A simplification		
		(2)		
			М	
1.2.2	$= 385g \div 1\ 000 \checkmark MA$	1MA dividing by 1 000	L1	
	$= 0,385 \text{ kg } \checkmark \text{A}$	1A simplification		
		(2)		

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\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
	LOOT		MP
1.3.1	Strip chart (map) / Strookkaart ✓ ✓ A	2A correct type	L1
		(2)	
			MP
1.3.2	N2 ✓✓A	2A correct national route	L1
		(2)	
*			MP
1.3.3	78 km ✓ ✓ A	2A correct distance	L1
		(2)	
	✓A ✓A	1A correct town	MP
1.3.4	Paarl / Worcester / Robertson	1A correct town	L1
(a)		(2)	
*			MP
1.3.4	Total distance / Totale afstand		L1
(b)			
St	$= 51 \text{ km} + 46 \text{ km} + 50 \text{ km} + 21 \text{ km} \checkmark \text{MA}$	1MA adding correct values	
	$= 168 \text{ km } \checkmark \text{A}$	1A simplification	
		(2)	
		[20]	



$\frac{QUE}{Q/V}$	STION/VRAAG 2 [24 MARKS/PUNTE] Solution/Oplossing	Explanation/Verduideliking	T&I
<u>V</u> /V	Solution/Opiossing		MP
2.1	3 people / mense $\checkmark \checkmark A$	2A correct number	L1
2.1		(2)	21
			MP
2.2	0 chairs / stoele $\checkmark \checkmark A$	2A correct number	L2
		(2)	
*	VRT A 120 CMA	1RT number of tables and chairs 1MA correct order	MP
2.3	4 : 20 ✓MA	1CA simplification	L1
	1:5 ✓CA	(3)	
			MP
2.4	4 power outlets / krag punte ✓ ✓ A	2A correct number	L2
_	Stanmorephysics.com	(2)	
25	1000/ ///		P
2.5	100% ✓✓A	2A probability (2)	L2
		(2)	MP
2.6	Table / Tafel 2 🗸	2A correct table	L2
		(2)	
*			MP
2.7	16 cm $\checkmark \checkmark A$	2A measurement in cm	L1
(a)		Accept: 15 - 17 cm (2)	
*		CA from question 2.7 (a)	MP
2.7	16 cm : 11 m ✓MA	1MA concept of scale	L3
(b)	16 cm : 11 m × 100	-	
	16 : 1 100 ✓C	1C conversion	
	10.1100		
	1 : 68,75 ✓CA	1CA simplification	
	$\approx 1:70 \checkmark R$	1R correct rounding	
		Innot	

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\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
2.8	14 chairs / stoele		P L2
2.0	14 chairs / stoere		LZ
	Odd numbers / Ongelykke getalle		
	= 1, 3, 5, 7,9, 11, 13		
	Probability / Waarskynlikheid		
	$=\frac{7}{14} \stackrel{\checkmark}{\checkmark} A$	1A numerator	
	$\begin{bmatrix} 14 \checkmark A \\ = 0.5 \checkmark CA \end{bmatrix}$	1A denominator 1CA simplification	
	- 0,3 V CA	-	3)
*			MP
2.9	To keep conference material safe, such as laptops, projetors, extension cords / $\checkmark \checkmark \circ \circ \circ$ <i>Om konferensie materiaal soos skoot rekenaars,</i> <i>projectors en verlengingskoorde veilig the hou.</i>	2O reason	L4
		(2)
		[2	4]



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QUE	QUESTION/VRAAG 3 [25 MARKS/PUNTE]				
\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L		
3.1.1	Area of wall A / Area van die muur A		M L2		
Í	$=$ 4,3 m × 2,7 m \checkmark MA	1MA multiplying correct values			
	$= 11,61 \text{ m}^2 \checkmark \text{CA}$	1CA simplification			
	Area of wall B / Area van die muur B				
	$= 7,4 \text{ m} \times 2,7 \text{ m}$				
	$= 19,98 \text{ m}^2 \checkmark \text{A}$	1A simplification			
	Total surface area = 11,61 m ² + 19,98 m ² \checkmark MA	1MA adding correct surface area			
	$=$ 31,59 m ² \checkmark CA	1CA simplification NPR			
		(5)			
* 3.1.2	12 mm ÷ 10	CA from Question 3.1.1	M L3		
	$=$ 1,2 cm \checkmark A	1A thickness in cm			
	$31,59 \text{ m}^2 \times (100)^2 \checkmark \text{C}$	1C conversion m ² to cm ²			
	$= 315 \ 900 \ \mathrm{cm}^2 \checkmark \mathrm{CA}$	1CA simplification			
	Volume = $315\ 900\ \text{cm}^2 \times 1.2\ \text{cm} \checkmark \text{SF}$	1SF substitution			
	$= 379\ 080\ {\rm cm}^3 \checkmark {\rm CA}$	1CA simplification cs.com (5)			



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\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking		T&L
				М
3.2.1	$= 3,785 \ \ell \times 1 \ 000 \ \checkmark MA$	1MA × 1 000		L1
	$= 3.785 \mathrm{m\ell} \mathrm{\checkmark A}$	1A simplification		
1			(2)	
*				M
3.2.2	Starting time / Begin tyd	1MA subtracting 1 hour		L2
	\checkmark MA = 11:20 1 hours/aute 4 hours/aute (2.5.)	1MA subtracting 4 hours		
	$= 11:30 - 1 \text{ hour}/uur - 4 \text{ hours}/uur \checkmark MA$ $= 06:30 \checkmark CA$	1CA simplification		
	- 00.50 V CA	AO		
			(3)	
* 3.2.3	Total number of litres needed / Aantal liter			M L2
5.2.5	benodig			L2
	$=\frac{35\mathrm{m}^2}{6\mathrm{m}^2}\checkmark\mathrm{MA}$			
	$-\frac{1}{6 \text{ m}^2} \sqrt{MA}$	1MA dividing by 6 m ²		
	= 5,8333333333 ℓ ✓CA	1CA simplification		
	$= 10 \ell \checkmark R$	1R correct rounding		
			(3)	
*				М
3.3.1	Length of Z / Lengte van Z			L2
	$= 7,4 \text{ m} - 4 \text{ m} - (2 \times 0,5 \text{ m})$			
	$\checkmark A$	1A diameter		
	$= 7,4 \text{ m} - 4 \text{ m} - 1 \text{ m} \checkmark \text{MA}$	1MA subtracting values		
	$= 2,4 \text{ m} \checkmark \text{CA}$	1CA simplification	(2)	
*			(3)	М
* 3.3.2	Circumference / Omtrek			M L2
5.5.2	Circumerence / Omirek			1.2
	$=\pi \times d$			
	$=$ 3,142 × 1 m \checkmark SF	1SF correct substitution		
	= 3,142 m ✓CA	1CA simplification		
	$= 2.142 \text{ m} \times 100 \text{ (MA)}$	1MA multiplying by 100		
1	= $3,142 \text{ m} \times 100 \checkmark \text{MA}$ = $314,2 \text{ cm} \checkmark \text{A}^{-5}$	1MA multiplying by 100 1A simplification		
23	JIT,2 CHI V A	1	(4)	
			25]	

QUESTION/VRAAG 4 [31 MARKS/PUNTE]			
\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.1.1	Bar scale / Linear scale / Line scale / Graphic scale Staafskaal / Liniêre skaal / Lynskaal / Grafiese		MP L1
ļ	skaal √√A	2A correct scale (2)	
4.1.2	Kwa Maritane ✓✓A	2A correct game lodge (2)	MP L1
4.1.3	South East / SE Suid-Oos / SO	2A general direction (2)	MP L2
* 4.1.4	Speed / Spoed ✓ SF 521,6 km = speed × 5 hrs 12 min	1SF correct substitution (521,6 km)	MP L4
	Speed = $\frac{521,6 \text{ km}}{5,2 \text{ hours}} \checkmark \text{MA}$	1MA change subject of formula 1A correct time (5,2 hours)	
	= 100 km/h ✓CA	1CA simplification	
	His statement is VALID / Sy bewering is GELDIG.	10 conclusion (5)	
4.1.5	Return trip / Re-toer		M L3
	= 521,6 km × 2 = 1 043,2 km \checkmark A	1A total distance	
	Fuel used / Brandstof gebruik = $\frac{1.043,2 \text{ km}}{100 \text{ km}} \times 7,3 \ell \checkmark \text{MA}$		
	$= \frac{100 \mathrm{km}}{100 \mathrm{km}} \times 7.5 \mathrm{C} \cdot \mathrm{MA}$ = 76,1536 $\ell \cdot \mathrm{A}$	1MA fuel consumption rate 1A simplification	
	Fuel cost / Brandstof koste = $76,1536 \ell \times R22,92 \checkmark MA$	1MA muiltiplying with R22,92	
	= R1 745,44 ✓CA	1CA fuel cost	
	Cost per person / Koste per persoon = R1 745,44 \div 4		
	= R436,36 ✓CA	1CA cost per person (6)	

\mathbf{Q}/V	Solution/Oplossing	Explanation/Verduideliking	T&L
4.2.1	Volume of cylinder / Volume van 'n silinder = $3,142 \times (4 \text{ m})^2 \times 1 \text{ m } \checkmark \text{SF}$ = $50,272 \text{ m}^3 \checkmark \text{CA}$	1SF correct substitution 1CA simplification	M L3
Į	Volume of rectangular prism / Volume van 'n reghoeking prisma = $8,2 \text{ m} \times 4,3 \text{ m} \times 1,75 \text{ m}$ = $61,705 \text{ m}^3 \checkmark \text{A}$	1A simplification	
	Difference / Verskil = $61,705 \text{ m}^3 - 50,272 \text{ m}^3 \checkmark \text{MCA}$ = $11,433 \text{ m}^3 \checkmark \text{CA}$	1MCA subtracting values 1CA simplification	
	$= 11,433 \text{ m}^3 \times 1\ 000$ = 11 433 $\ell \checkmark CA$	1CA simplification (6)	
4.2.2	S.A. of cylinder / B.O. van silinder = $3,142 \times 4 \text{ m} \times (4 \text{ m} + 2 \times 1 \text{ m}) \checkmark \text{SF}$ = $75,408 \text{ m}^2 \checkmark \text{CA}$	1SF substituting 1CA simplification	M L4
	Area of one tile / Area van een teel = $0.2 \text{ m} \times 0.2 \text{ m}$ = $0.04 \text{ m}^2 \checkmark \text{CA}$	1CA area of one tile	
	Number of tiles needed / Aantal teels benodig $= \frac{75,408 \text{ m}^2}{0,04 \text{ m}^2} \checkmark \text{MCA}$ $= 1.885, 2$	1MCA finding number of tiles	
	$\approx 1 \ 886 \ \checkmark CA$ Number of boxes / <i>Aantal bokse</i> $= 1 \ 886 \div 16 \ \checkmark MCA$ $= 117,875$ 110. (21)	1MCA dividing by 16	
	\approx 118 ✓ CA His statement is VALID / Sy bewering is GELDIG	1CA number of boxes 1O conclusion (8) [31]	
		TOTAL/ <i>TOTAAL</i> : 100	

NOTES:				
***CA-Mark can only be awarded if one of the two values is correct.				
QUEST	^v			
1.1	Learners wrote explanation	on (sentence) = full marks		
1.3.3	AFRIKAANS ONLY / S	· /		-
	$= \frac{\text{Leerder se punt}}{10} \times 20$			
	18 × 20			
	Leerder se	Leerder se		
	punt uit 18	punt uit 20		
	10	11		
	11	12		
	12	13		
	13	14		
	14	16		
	15	17		
	16	18		
	17	19		
	18	20		
	D' (1T) 111 10			
1.3.4 b	Adding at least 3 correct	00, ons pas slegs Vraag 1 aan.		1/2 marks
1.3.4 0	Adding at least 5 confect	values – • MA		1/2 marks
QUEST	ION 2			
2.3	✓MA			2/3 marks
	$3:20 \checkmark CA OR 1:$	6,67		
27-		-		
2.7 a	Measure according to layout plan learners received			
2.7 b	(range – 1 up and 1 down)Calculate scale according to measure distance in 2.7.a			
2.70			om	2/2 marks
2.7	Storage / a place to store items used in the conference room.2/2 marksMake the room look neat – everything is packed away.			
	For filing purposes.			
QUEST			Inna	1
3.1.2	Answer in $m^3 = 0,37908$	m ³		3/5 marks
3.2.2	Starting time / Begin tyd			3/3 marks
	✓ MA			
		hour/ <i>uur</i> – 4 hours/ <i>uur</i> ✓MA		
	= 05:30 ✓ CA		<u></u>	
3.2.3	Apply 2 coats = 15ℓ			3/3 marks
3.3.1	Subtract radius = $2,9 \text{ m}$			2/3 marks
3.3.2	Substitute radius = $157,1$	cm		3/4 marks
5.5.4		VIII		J/T marks

QUESTION 4		
4.1.4 Distance = speed \times time	5/5 marks	
$= 120 \times 5,2$		
= 624 km		
Lanat		
624 km > 521,6 km		
His statement is VALID.		
Accept: 100,3076923 km/h		

