Western Cape Government
Education

Directorate: Curriculum FET

TERM 2 REVISION MATERIAL

GRADE 12

SUBJECT: MATHEMATICAL LITERACY

MEMORANDUM

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

FINANCE / FINANSIES

QUESTION / VRAAG 1

Q/V	**Solution/*Oplossing***	**Explanation/*Verduideliking***
1.1.1	Marco van der Merwe ✓✓RT	2RT reading from table
1.1.2	$\frac{\text{R}139{,}80}{2}$ ✓MA = R69,90 ✓CA	1MA devide by 2 1CA simplificcation
1.1.3	21:07 – 18:45 ✓MA ✓A = 2 hours and 22 minutes/*2 ure en 22 minute*	1MA subtraction 1A time duration
1.1.4	No/*Nee* ✓✓RT	2RT reading from table
1.2.1	✓A **Interest rate** – the percentage used to determine the amount of interest ✓A ***Rentekoers*** *– die persentasie wat gebruik om die hoeveeldheid rente te bereken*	1A percentage 1A determine amount
1.2.2	R69 ✓✓RT	2RT reading from table
1.2.3	R2 173,89 – R1 447,30 ✓M = R726,59 ✓A	1M subtraction 1A amount

1.2.4	$\frac{60}{12}$ ✓MA = 5 years/*jaar* ✓CA	1MA divide by 12 1CA simplification
1.3.1	18872,05 – 3472,08 ✓M = R15 399,97 ✓CA	1M Subtracting 3472,08 1 CA
1.3.2	(a) R11,10 ✓RT✓A	1 RT 1 A
	(b) 4,54 + 1,41 × 5,00 ✓M = 4,54 + 7,05 ✓M = 11,59 ✓CA	1M 1M 1CA
	(c) 14665,69 - 95,45 ✓MA = R14 570,24 ✓CA	1 M subtract 95,45 1 CA
1.4.1	$Balloon\ payment = \frac{179900 \times 20}{100}$ ✓M = R35 980,00 ✓CA	1 M calculate % 1 CA
1.4.2	179900 – 15000 + 1207,50 ✓M ✓M = 166107,50	1M subtracting deposit 1 M Adding initiation fee
1.4.3	R3492,27 × 60 + 15000,00 + 35980,00 ✓M ✓M = 209536,20 + 15000,00 +35980,00 ✓S = R260 516,20 ✓CA	1M multiplying 60 1M Adding 1S Simplification 1CA
1.4.4	179900 × 1,0635 × 1,0635 ✓M ✓M = R203 472,70 ✓CA	1M multiplying 1M multiplying 1CA

QUESTION / VRAAG 2

2.1.1	9 months/*maande* ✓✓RT	2RT number of months
2.1.2	R113 000 ✓✓RT	2RT correct amount **(omitting 000 = 0 marks)**
2.1.3	✓MA R(4 001 + 2 195 + 2 173 + 2 794 + 1 735 + 910)'000 = R13 808 000 ✓CA	1MA addition 1CA simplification
2.1.4	R2 195 000 – R1 994 000 ✓MA = R201 000 ✓CA	1MA subtraction 1CA simplification

2.1.5	✓MA $\frac{10,5}{100} \times$ R685 000 = R71 925 ✓CA ≈ R72 000 ✓R	1MA multiply by percentage 1CA simplification 1R rounding
2.1.6	3 ✓✓RT	2RT number of persons
2.1.7	Prof. Schoonwinkel ✓✓RT	2RT correct person
2.1.8	✓A $\frac{1}{6} \times 100\%$ ✓MA = 16,6666….. = 16,67% ✓CA	1A 1 out of 6 1MA × 100% 1CA probability
2.1.9	✓MA Interest/*Rente* = $\frac{9,5}{100} \times$ R155 000 × 2 ✓MA = R29 450 ✓CA Totale bedrag/*Total amount* = R155 000 + R29 450 ✓MA = R184 450 ✓CA	1MA calculating 9,5% 1MA × 2 1CA simplification 1MA adding interest 1CA simplification
2.2.1	R1 999 ✓✓RT	2RT correct amount
2.2.2	Brochures, files, magazines and calendars/ *Brosjures, lêers, tydskrifte en kalenders* ✓✓A	2A items (Only 3 or less items = 1 mark)
2.2.3	R1 999 × 1,14 ✓MA = R2 278,86 ✓CA R2 298,85 – R2 278,86 = R19,99 ✓CA **OR/*OF*** R1 999 + ($\frac{14}{100} \times$R1 999) ✓MA = R2 278,86 ✓A R2 298,85 – R2 278,86 = R19,99 ✓CA **OR/*OF*** 15% - 14% = 1% ✓MA R1 999 × $\frac{1}{100}$ ✓MA = R19,99 ✓CA	1MA multiply by 1,14 1CA simplification 1CA simplification **OR** 1MA adding 14% 1A amount 1CA simplification **OR** 1MA subtracting % 1MA calcualting 1% 1CA simplification

2.2.4	✓RT R1 148,85 ÷ 5 000 ✓M = R0,23 ✓CA	1RT reading from table 1M divide by 5 000 1CA simplification
2.2.5	✓MA ✓MA R1 148,85 + (R343,85 × 2) + R3 448,85 + R918,85 = R6 204,25 ✓CA ✓M ✓M R6 204,25 – ($\frac{25}{100}$ ×R6 204,25) = R4 653,19 ✓CA	1MA multiply by 2 1MA addition 1CA simplification 1M subtraction 1M amount discount 1CA simplification
2.3.1	Deposito = $\frac{10}{100}$ × 49 999,99 ✓M = R4 999,99 ✓CA = R5 000 **OR** Deposito = 76 353,12 – 71 353,13 ✓M = R4 999,99 ✓CA **OR** Deposito = (49 999,99 + 1000 + 500 + 375) – 46 875 ✓M = R4 999,99 ✓CA	1M multiplying by 10% 1CA answer NPR 1M subtracting correct values 1CA answer
2.3.2	Credit is obtaining goods and services before payment ✓A and payment will be done later on agreement includiding interest. ✓A *Krediet is wanneer goedere en dienste verkry word voordat betaling gedoen word* ✓A *en die betaling met rente* ✓A *word later gedoen volgens die ooreenkoms.*	1A goods before payment 1A payment with interest 1A goedere voor betaling 1A betaling met rente
2.3.3	Interest / Rente = $\frac{10\,078,13}{24}$ ✓M = R419,92 ✓A **OR** Interest / Rente = $\frac{10,75\%}{12}$ × 46 875 ✓M = R 419,92 ✓A	1M division 1A answer OR 1M dividing % by 12 and multiply by 46 875 1A answer
2.3.4	1/8/2021 ✓✓A	2A correct date
2.3.5	VAT / BTW = R 114 400 - $\frac{100}{115}$ × $R14\,400$ ✓M = 14 400 – 12 521,74 ✓M = R1 878,26 ✓A **OR** Insurance amount = $\frac{14\,400}{1,15}$ ✓M = 12 521,74 VAT / BTW = 14 400 – 12 521,74 ✓M = R1 878, 26 ✓A **OR** VAT / BTW = $\frac{14\,400}{115\%}$ × 15% ✓M = R1 878,26 ✓A✓A	1M amount exclusive of VAT 1M subtraction 1A answer 1M divide by 1,15 1M subtraction 1A answer 1M working with ratio % 2A answer

QUESTION / VRAAG 3

3.1	Withdrawal fee of R20 000 at Bank A = R5,95 + 0,015 × R20 000 ✓ SF = R305,95 ✓CA Fees for 4 withdrawals: R305,95 × 4 ✓M = R1 223,80 ✓CA Withdrawal fee for R20 000 at Bank B = R4,00 + 1,25% × R20 000 = R254 ✓CA Fees for 4 withdrawals = R254 × 4 = R1 016 ✓CA Difference in fees = R1 223,80 – R1 016 = R207,80 ✓CA Statement is valid ✓O **OR** Withdrawal fee of R20 000 at Bank A = R5,95 + 0,015 × R20 000 ✓SF = R305,95 ✓CA Withdrawal fee for R20 000 at Bank B = R4,00 + 1,25% × R20 000 = R254 ✓CA Difference in fees = R305,95 – R254 ✓MCA = R51,95 ✓CA Saving on 4 withdrawals = R51,95 × 4 ✓M = R207,80 ✓CA Statement is valid ✓O	1SF substituting 1CA weekly charges 1M multiplying by 4 1CA fees for 4 withdrawals 1CA weekly charges 1CA fees for 4 withdrawals 1CA difference 1O conclusion **OR** 1SF substituting 1CA weekly charges 1CA weekly charges 1MCA calculating the difference 1CA difference 1M fees for 4 withdrawals 1CA saving 1O conclusion
3.2.1	$\frac{20}{100} \times R800\,000 =$ R160 000 ✓CA R800 000 – R160 000 ✓MCA = R640 000 ✓CA **OR** ✓M ✓MA 80% × R800 000 = R640 000 ✓CA	1A calculating deposit 1MCA subtracting deposit 1CA answer 1M calculating 80% 1MA multiplying by R800 000 1CA answer
3.2.2	$\frac{6\,176,14}{6\,606,01} \times 100$ ✓MA = 93,49% ≈ 93% ✓R	1MA calculating % 1R nearest %
3.2.3	✓RT $\frac{13\,762,10}{60\%}$ = R22 930,83 ✓CA ✓M His claim was not correct. ✓O	1RT calculating rate 1M dividing by 60% 1CA answer 1O opinion

3.2.4	There was a 1% discount because he's a GEPF member. ✓✓O **OR** Government employees get 1% discount.	2O opinion
3.2.5	✓SF ✓RT $\frac{640\ 000,00}{1000} \times 9,65$ = R6 176,00 ✓CA No, the instalment is 14 cents more. ✓O **OR** No, the instalment was rounded off to the nearest rand. ✓O	1SF substitution into formula 1RT correct factor from table 1CA answer 1O opinion

MAPS AND PLANS / KAARTE EN PLANNE

QUESTION / VRAAG 1

1.1.1	Lynwood **OR*/OF*** Roper Street/*Straat* ✓✓RT	2RT street
1.1.2	South West/*Suid-Wes* ✓✓RT	2RT direction
1.1.3	Waterkloof ✓✓RT	2RT neighbourhood/area
1.1.4	✓A ✓A Florence Ribeiro/Nicholson/Justice Mahomed	1A Florence Ribeiro 1A Nicholson/Justice Mahomed
1.1.5	• From entrance of main campus travel west in Lynnwood/*Vanaf die hoofkampus se ingang, ry in 'n westelike rigting in Lynwood* ✓A • Turn left at first traffic light, continue pass Magnolia Dall/*Draai links by eerste verkeerslig, hou aan verby Magnolia Dal* ✓A • Turn left in Florence Ribeiro/*Draai links in Florence Ribeiro* ✓A • Continue with Florence Ribeiro and then turn right into George Storrar Drive/*Hou aan met Florence Ribeiro en draai dan regs in George Storrarstraat* • Turn right in Leyds street and then first entrance on the left/*Draai regs in Leydsstraat en dan eerste ingang op linkerkant* ✓A ✓A	1A westerly direction in Lynnwood 1A left at traffic light and pass Magnolia Dell 1A turn left in Florence Ribeiro 1A turn right in George Storrar 1A turn right in Leyds
1.1.6	6 ✓✓RT	2RT traffic lights

1.1.7	✓M ✓MA Distance/Afstand = (30 mm × 50 000) ÷ 1 000 000 = 1 500 000 mm ÷ 1 000 000 = 1,5 km ✓CA ✓A	1M multiply by scale 1MA division by 1 000 1CA simplification 1A correct unit
1.2.1	N1 and N3 ✓✓A	2A answer
1.2.2	South ✓✓A	2A answer
1.2.3	Woodmead, ✓A Sunninghill, ✓A Wynberg ✓ **Any two**	2A answer
1.2.4	**Time =** $\frac{Distance}{speed}$ **=** $\frac{22\ km}{125\ km/h}$ ✓SF **=** 0,176 hours ✓CA ≈ 0 hour 10,6 minutes ✓C MA	1SF substitution 1 CA answer 1C conversion **NPR**
1.2.5	6,5 cm : 22 km ✓MA **OR** 6,5 cm : 22 km ✓MA 6,5 : 2 200 000 ✓ C 0,000065 : 22 ✓C 1 : 338 468,5 ✓ S 1 : 338 468,5 ✓ S	1 MA method 1C conversion 1S simplification
1.3.1	Entrance/*Ingang* 1 ✓✓RM	2RM reading from the map
1.3.2	Store/*Winkel* 218 ✓✓RM	2RM reading from the plan
1.3.3	Store/*Winkel* 255 ✓RM Bandit Brothers ✓A	1RM reading from the plan 1A correct name of the store
1.3.4	Turn left/west at Vodacom (Store 230) ✓A Follow the corridor until you reach store 215 or 218 ✓A Turn right/north at store 215 / 218 ✓A Store 205 is at the end of the corridor on your right-hand side ✓A *Draai links/wes by Vodacom (Winkel 230)* ✓A *Volg die gang tot by winkel 215 of 218* ✓A *Draai regs/noord by winkel 215 / 218* ✓A *Winkel 205 is aan die einde van die gang op regterhand* ✓A	1A turning left/west 1A going straight reaching store 215 or 218 1A turning right/north 1A reaching the store on the right

1.3.5	Average Speed/*Gemiddelde spoed* ✓SF = $\frac{215\ m}{(15 \times 60) sec}$ ✓C = 0,24 m/s ✓CA	1SF substituting both 215 m and 15 min 1C multiplying by 60 1CA simplification **NPR**
1.3.6	North East/*Noord-oos* ✓✓A	2A general direction
1.4.1	Six **OR** 6 ✓✓A	2A correct number of doors
1.4.2	7;8;10;11;12;20 and 21 ✓✓A	2A correct number of rows **Penalty:** **One missing value one mark** **Two or more missing values no marks**
1.4.3	Length of plane on the plan ✓RT = 50m × 1000 ✓C = $\frac{50\ 000}{200}$ ✓M = 250 mm ✓CA	1RT correct value 1C converting m to mm 1M dividing by 200 1CA answer in mm

QUESTION / VRAAG 2

2.1.1	Less obstructions ✓✓O **OR** Less time spent on the road ✓✓O **OR** Saves fuel ✓✓O **Any other relevant answer**	2O Reason
2.1.2	Distance on the map : 4,5 cm ✓M **[Accept 4,4 – 4,7cm]** 4,5 cm : 545 km 4,5 : 545 × 100 000 ✓C 4,5 : 545 00 000 1 : 12111111,11 ✓CA 1 : 12 111 000 R✓	1M measure on map 1C conversion 1CA answer 1R rounding with CA

	OR 45 mm : 545 km ✓M 45 mm : 545 000 000 ✓C 1 : 121 11111,11 ✓CA 1 : 121 11000 ✓R	**NOTE: Measure on final copy**
2.2.1	Full tanks = $\frac{545\text{ km}}{650\text{ km}}$ ✓MA = 0,8384615385 For a return trip = 0,8384615385 × 2 ✓M = 1,676923077….tanks ≈ 2 full tanks ✓R He will need 2 full tanks.	1MA division 1M multiplying by 2 1R answer
2.2.2	Total cost of petrol = 2 tanks × 55ℓ ✓MA = 110 ℓ 110 ℓ × R15,54 ✓M = R1 709,40 ✓CA	**CA from 2.3.1** 1MCA multiplying by 55 1M multiplying by R15,54 1CA answer
2.3	**Total operating cost** ✓SF = [788 + (8,03 × 15,54 + 22,73 +16,70)] × 545 ✓M = 518957,83^c ✓S = R5 189,58 ✓CA	1SF correct values 1M adding and multiplying 1S answer in cents 1CA answer in rand

MEASUREMENT / METING

QUESTION / VRAAG 1

1.1.1	Length/*lengte* = 2 440 ÷ 1 000 ✓MA = 2,44 m ✓A Width/*breedte*= 2 100 ÷ 1 000 = 2,1 m ✓A	1MA divide by 1 000(÷100÷10) 1A length 1A width
1.1.2	✓MA A = 5 480 – (2 × 2 240) – (2 × 150) = 300 mm ✓CA	1MA subtraction of correct values 1CA simplification
1.1.3	✓M ✓SF Total(e) area = 2 × (2,44 × 2,1) = 10,248 m² ✓CA **OR/*OF*** ✓M ✓SF Total(e) area = 2 × (2 440 × 2 100) = 10 248 000 mm² ✓CA	1SF substitution in formula 1M multiply by 2 1A total area **OR** 1SF substitution in formula 1M multiply by 2 1A total area
1.1.4	B = 1,5 × 3 ✓MA = 0,45 m ✓A ✓M Total(e) area = 5,48 × (2,1 + 0,45) ✓M = 13,974 m² ✓CA Area of bricks/*van bakstene* = 13,974 – 10,248 ✓M = 3,726 m² ✓CA	**CA from Question 1.1.2 and 1.1.3** 1MA multiply by 3 1A value of B 1M multiply by 5,48 1M adding 0,45 1CA simplification 1M subtraction 1CA simplification
1.2.1 (a)	✓MA 245 mm ÷ 10 = 24,5 cm ✓CA	1MA dividing by 10 1CA simplification
1.2.1 (b)	✓MA 17,5 cm ÷ 2 = 8,75 cm ✓CA	1MA divide by 2 1CA simplification
1.2.2	✓SF Volume = 3,142 × (8,75 cm)² × 24,5 cm = 5 893,70 cm ✓A ≈ 5 890 cm³ ✓R	**CA from Question 1.2.1(b)** 1SF substitution in formula 1CA simplification 1R rounding

QUESTION / VRAAG 2

2.1.1	P = $\frac{85}{2}$ ✓MA = 42,5 cm ÷ 100 ✓C = 0,43 m ✓CA	1MA dividing by 2 1C conversion 1CA correct height
2.1.2	Width/*Breedte* = $\frac{75}{2}$ ✓MA = 37,5 cm ✓A Length/*Lengte* = 43,5 cm ✓A	
2.1.3	Area of rectangular lid /*Oppervlakte van reghoekige deksel* = 37,5 x 43,5 ✓SF ✓A = 1 631,25 cm^2 x 100 ✓C = 163 125 mm^2 ✓CA **OR/*OF*** Area of rectangular lid / *Oppervlakte van reghoekige deksel* = 375 x 435 ✓SF ✓C = 163 125 mm^2 ✓✓CA	1SF substitution in the formula 1A correct area 1C conversion 1CA correct area in mm^2 **OR/*OF*** 1SF substitution in the formula 1C conversion 2CA correct area in mm^2
2.1.4	Height/*Hoogte* = 120 – 85 ✓MA = 35 cm ✓A Volume = 75 cm x 43,5 cm x 35 cm ✓SF = 114 187,5 cm^3 ✓CA = 114 000 cm^3 ✓R	1MA subtracting correct values 1A correct height 1SF substitution in the formula 1CA volume 1R rounded volume
2.2.1	80 yards/*jaart* ÷ 1,0936 ✓MA = 73,15 m ✓A	1MA dividing with 1,0936 1A distance in meter
2.2.2	Soccer field/*sokkerveld* = length × width/*lengte × wydte* = 110 m × 73,15 m ✓SF = 8 046,50 m^2 ✓CA	1SF correct substitution 1CA simplification

2.2.3	Grass blocks/*grasblokke* = 150 cm × 80 cm = 12 000 cm^2 ✓A ≈ 1,2 m^2 ✓C Number/*aantal* = 8 046,50 ÷ 1,2 ✓MA = 6 705,41 ✓CA = 6 706 ✓R	**CA from Q2.2.2** 1A area of 1 block 1C conversion 1MA dividing by area of 1 block 1CA simplification 1R rounding
2.2.4	Radius = 14,64 ÷ 2 ✓MA = 7, 32 m ✓A	1MA dividing by 2 1A radius
2.2.5	C ✓✓ A	2A correct formula

QUESTION / VRAAG 3

3.1.1	2 years to 20 years ✓✓A	2A answer
3.1.2	It means that 15% of the girls weigh more than this girl and 85% weigh less. ✓✓ O	2 O explanation
3.1.3 (a)	This girl`s BMI-for-age relationship is positioned between 85th and 95th percentage. She is at risk for overweight. ✓A ✓A	1A percentiles 1A answer
3.1.3 (b)	BMI = $\frac{Weight\ (in\ kilograms)}{(Height\ in\ metres)^2}$ 24,5 kg/m^2 = $\frac{36kg}{(Height\ in\ metres)^2}$ ✓SF ✓M **Height** = $\sqrt{\frac{36}{24,5}}$ ✓M = 1,21 m ✓CA	 1SF correct values 1M new subject 1M finding sq. root 1CA simplification
3.1.4	^{0}F = (1,8 × ^{0}C) + 32 = (1,8 × 5,99) + 32 ✓SF = 42,782^{0}F ✓A ≈ 43^{0}F ✓R	 1SF substitution 1A answer 1R rounding
3.2.1	Total perimeter = 2 × 3 000 + 2 × 9754 ✓M = 6 000 + 19 508 = 25 508 mm ✓A Perimeter of the waiting room = $\frac{2}{3}$ × 25 508 mm ✓M = 17 005,33 mm ✓A	1M Method 1A answer 1M Method 1A answer **NPR**

3.2.2	3 000 mm = 300 cm 9 754 mm = 975,4 cm ✓C Area = 975,4 cm × 300 cm ✓SF = 292 620 cm^2 ✓CA	1C conversion (both) 1SF substitution 1CA answer

QUESTION / VRAAG 4

4.1.1	1 foot/ *voet* = 30,48 cm 4 × 30,48 cm ✓C = 121,92 cm ✓CA r = $\frac{121,92\text{ cm}}{2}$ ✓M = 60,96 cm ✓CA	 1C conversion 1CA simplification 1M dividing by 2 1CA simplification
4.1.2	H = 12 × 2,54 cm = 30,48 cm ✓C Volume = 3,142 × (60,96 cm)² × 30,48 cm ✓SF ✓S Volume = 3,142 × 3716,1216 cm² × 30,48 cm = 355 886,13 cm³ ✓CA	**CA from Question 4.1.1** 1C conversion 1SF substitution of correct values 1S simplification 1CA simplification **NPR**
4.1.3	Area = 3,142 × (60,96 cm)² ✓SF = 3,142 × 3 716,1216 cm² ✓S = 11 676,05407 cm² $\frac{11676,05407\text{ cm}^2}{10\,000}$ ✓MA = 1,167605407 m² = 1,17 m² ✓CA John is correct/*korrek* They have 0,83 m² more than required/ *Hulle het 0,83 m² meer as wat benodig word.* ✓O	**CA from Question 4.1.1** 1SF substitution into formula 1S simplification 1MA dividing by 10 000 1CA simplification 1O opinion
4.1.4	3 × 5 gallon = 15 gallon ✓MA 15 × 3,7854 ℓ ✓C = 56,781 ℓ ✓CA	 1MA multiply by 3 1C conversion 1CA simplification

	20ℓ × 2,75 = 56 ℓ ✓A 56,781 ℓ - 56 ℓ = 0,781 ℓ ✓CA **OR/*OF*** 5 × 3,7854 ℓ = 18,927 ℓ ✓C 18,927 ℓ × 3 ✓MA = 56,781 ℓ ✓CA 20ℓ × 2,75 = 50 ℓ ✓A 56,781 ℓ - 56 ℓ = 0,781 ℓ ✓CA No, she is not correct. There will be a shortage of 0,781 ℓ if she only uses two and three quarter 20 ℓ buckets / ✓O *Nee, sy is verkeerd.* *Daar sal 'n tekort van 0,781 ℓ wees indien sy net twee en 'n drie-kwart 20 ℓ emmers gebruik.*	1A number of litres 1CA simplification **OR** 1C conversion 1MA multiply by 3 1CA simplification 1A number of litres 1CA simplification 1O opinion
4.2.1	r = 60,96 cm ✓CA ✓SF Circumference / *Omtrek* = 2 × 3,142 × 60,96 cm = 383,07264 cm ✓A	**CA from Question 4.1.1** 1CA radius 1SF substitution of correct values 1CA simplification
4.2.2	Length of 1 brick/*Lengte van 1 baksteen* 220 mm ÷ 10 = 22 cm ✓MA $\frac{383{,}07264\text{ cm}}{22\text{ cm}}$ ✓MA = 17,41239273 ✓CA ≈ 18 ✓R 18 bricks × 4 ✓MA = 72 bricks ✓CA	**CA from Question 4.2.1** 1MA dividing by 10 1MA dividing by length of one brick 1CA simplification 1R rounding 1MA multiply by 4 layers 1CA simplification
4.2.3	R2,90 × 72 ✓MA = R208,80 ✓CA R200,00 is not enough / *R200,00 is nie genoeg nie.* It is R8,80 more than R200,00 / *Dit is R8,80 meer as R200,00.* ✓O	**CA from Question 4.2.2** 1MA multiplying with cost of one brick 1CA simplification 1O opinion