



MATHEMATICAL LITERACY MEMO

GRADE 11 TERM 2

2019

PAPER 1

No.	Solution	Explanation	Marks
1.1	Stays the same	2 Marks each	= 30
1.2	Compound		
1.3	More		
1.4	R10.50		
1.5	16		
1.6	R200.00		
1.7	Two (R6,34)		
1.8	Twenty to eight at night.		
1.9	5°C		
1.10	3m		
1.11	1,13kg		
1.12	10,08 km/hr		
1.13	100cm		
1.14	Elevation map		
1.15	Once		
2.1	Solid line	Answer	= 2 (2)
2.2	Charge = $\frac{19000}{200}$ = R95.00	Method Answer	= 2 = 1 (3)
2.3	Total costs = R7 500.00	Answer	= 2 (2)
2.4	Total cost = R7 500 Fixed cost = R6 950 ∴ Variable cost = 7500 – 6950 = R550.00	Method Answer	= 2 = 1 (3)
2.5	Approx. 60 (Accept 50 – 70)	Answer Corr. BEP	= 2 = 1 (3)
2.6	To pay R6 950.00 (Fixed cost)	Answer	= 3 (2)
2.7	He earns 19000 – 7500 = R11 500.00	Method Answer	= 2 = 1 (3)
2.8	Number of cars washed	Answer	= 2 (2)
[20]			
3.1	Length = $(1,3 \times 4) + (0,45 \times 4)$ = 5,2 + 1,8 = 7,0m	Method Answer	= 2 = 1 (3)
3.2	Side planks = $0,6(13 \times 2) + (0,45 \times 10)$ = 15,6 + 4,5 = 20,1m	Method Answer Answer	= 2 = 1 = 1 (4)
3.3	Area = $0,45 \times 1,3$ = 0,59m ²	Method Answer	= 2 = 1 (3)
[10]			

No.	Solution	Explanation	Marks
4.1	Because it refers to the same town in the other column.	Answer	= 2 (2)
4.2	Distance = 1405 + 1079 + 674 + 578 = 3 736km	1 Mark for each distance for the 1 st 3 2 marks for Dbn → Jhb Answer	= 3 = 2 = 1 (6)
4.3	Because there are other countries in Southern Africa (ie. Lesotho, Botswana)	Answer	= 2 (2)
[10]			
5.0	Speed (km/h) = $\frac{\text{Distance (km)}}{\text{Time (hours)}}$ $= \frac{674}{7,25}$ $= 92,97$ $\approx 93\text{km/h}$	Formula Method 7,25 Answer Round	= 1 = 1 = 1 = 1 = 1 (5)
[5]			

TOTAL MARKS : 75

Taxonomy Level Summary: Paper 1

Question	Level 1	Level 2	Level 3	Level 4
1.1	2			
1.2	2			
1.3	2			
1.4	2			
1.5	2			
1.6	2			
1.7	2			
1.8	2			
1.9	2			
1.10	2			
1.11	2			
1.12	2			
1.13	2			
1.14	2			
1.15	2			
2.1	2			
2.2		3		
2.3	2			
2.4		3		
2.5		3		
2.6	2			
2.7		3		
2.8	2			
3.1		3		
3.2		4		
3.3	3			
4.1	2			
4.2			6	
4.3	2			
5.0		5		
Total	45	24	6	
%	60	32	39	

Taxonomy Level Summary Paper 1 + Paper 2:

Question	Level 1	Level 2	Level 3	Level 4
Paper 1	45	24	6	0
Paper 2	0	20	26	29
Total	45	48	30	29
%	60	64	40	39

Topic Distribution:

Question Number	Paper 1					Paper 2					P1 + P2	
	1	2	3	4	5	1	2	3	4	5	Total	%
Short Quest.	30										30	20
Finance		20				15		10			45	30
Measurement			10			14	6				30	20
Maps				10			9	9			28	19
Probability					5				12		17	11