



**MATHEMATICAL LITERACY**

**GRADE 12 MEMO**

**TERM 2**

**2019**

**PAPER 1**

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No.	Solution	Explanation	Marks	
1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 1.10 1.11 1.12 1.13 1.14 1.15	723 is bigger or equal to 723 When government spends more money than it receives, the shortfall must be borrowed. Income generated to cover total costs The deposit Less Installments increase No 1831 millilitres 19:37 South West A sample 51,3% A pie-chart Central tendency 50%	2 Marks each	= 30	[30]
2.1	Monthly = $300\,000 \div 1\,000 \times 11,21$ = R3 363.00 p.m.	11,21 Subst. Answer	= 1 = 2 = 1	(4)
2.2	Total = $15 \times 12 \times 3363$ = R605 340.00	Method Answer	= 2 = 1	(3)
2.3	Monthly = $300\,000 \div 1\,000 \times 14,91$ = R4 473.00	Subst. Answer	= 2 = 1	(3)
2.4	Total = $10 \times 12 \times 4473$ = R536 760 $\therefore$ Save = $605\,340 - 536\,760$ = R68 580.00	Method Answer Method Answer	= 1 = 1 = 1 = 1	(4)
2.5	$3 : 2 : 1 = 6$ $\therefore$ Dineo = $\frac{1}{6} \times 1\,500\,000$ = R250 000.00	Method Conv. Method Answer	= 1 = 1 = 1 = 1	(4)
2.6	Earnings = $\frac{100}{35} \times 1\,500\,000$ = 4 285 714.28	Method Answer	= 3 = 1	(4)
2.7	Annual Med. Aid = $12 \times 1690$ = R20 280.00 $\therefore \frac{1}{3} = \frac{1}{3} \times 20\,280$ = R6 760.00 p.a.	Answer Method Answer	= 1 = 1 = 1	(3)
<b>[25]</b>				

No.	Solution	Explanation	Marks
3.1	300mm = 0,3m Width = $15 \times 0,3$ = 4,5m	Conv. Method Answer	= 1 = 1 = 1 (3)
3.2	Perimeter = $2(4,5 + 0,6)$ = 10,2m	Method Answer	= 2 = 1 (3)
3.3	Area Walls = $2(4,5 \times 2,7) + 2(5 \times 2,7)$ = $24,3m^2 \times 27,0m^2$ = $51,3m^2$ Area door & window = $(1,5 \times 1,0) + (1,8 \times 0,8)$ = $1,5 + 1,44$ = $2,94m^2$ $\therefore$ Area to tile = $51,3 - 2,94$ = $48,36m^2$	Method  Answer Method  Answer Method Answer	= 2  = 1 = 2  = 1 = 1 = 1 (8)
<b>[14]</b>			
4.1	African continent (Accept "Africa")	Answer	= 2 (2)
4.2	From Singapore	Understand the map	= 3 (3)
4.3	Two flights	Recognises Auckland as New Zealand Flights	= 2 = 1 (3)
4.4	16 hours 55 minutes.	Answer	= 2 (2)
<b>[10]</b>			
5.1	STATSSA	Answer	= 2 (2)
5.2	Portion in the food and beverage range.	Answer	= 2 (2)
5.3	Cost = $85,59 \times 1,068$ = R91.41	Method Answer	= 2 = 1 (3)
5.4	Decreased	Answer	= 2 (2)
5.5.1	Mean = $\frac{46,5}{13}$ = 3,58%	Method Answer	= 3 = 1 (4)
5.5.2	$-5,3 \quad -3,2 \quad -3,1 \quad -1,4 \quad 3,8 \quad 4,8 \quad 5,7$ $6,8 \quad 7,0 \quad 7,1 \quad 7,5 \quad 7,7 \quad 9,1$ $\therefore$ Median = 5,7% $\therefore$ Difference = $5,7 - 3,58$ = 2,12%	Method Answer Method Answer	= 2 = 1 = 1 = 1 (5)

<b>No.</b>	<b>Solution</b>	<b>Explanation</b>		<b>Marks</b>
5.6	Range = $-5,3$ to $9,1$ = $14,4\%$	Method Answer	= 2 = 1	(3)
				<b>[21]</b>

**TOTAL MARKS : 100****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		4		
2.2		3		
2.3		3		
2.4		4		
2.5		4		
2.6		4		
2.7		3		
3.1	3			
3.2	3			
3.3		8		
4.1	2			
4.2	3			
4.3	3			
4.4	2			
5.1	2			
5.2	2			
5.3	3			
5.4	2			
5.5.1			4	
5.5.2		5		
5.6	3			
<b>Total</b>	<b>58</b>	<b>38</b>	<b>4</b>	<b>0</b>
<b>%</b>	<b>58%</b>	<b>38%</b>	<b>4%</b>	<b>0%</b>