LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION



SEKHUKHUNE SOUTH

DISTRICT



GRADE 11

MATHEMATICAL LITERACY

MEMORUNDUM

MARKS: 50

Question 1			
1.1			
	1.1.1	5 hours✓ and 30 minute✓	(2)
	1.1.2	$R110 \times 5$ ✓ $R550 + R110$ ✓ $R660$ ✓	(3)
	1.1.3	$\frac{R450}{R110}$ ✓ $= 4$ ✓	(2)
	1.1.4	B ✓✓	(2)
1.2			
	1.2.1	$\frac{R1755}{13}$ ✓$= R135$ ✓	(2)
	1.2.2	Income in Rand ✓✓	(2)
	1.2.3	$A = 8 \times 13$ ✓$= 104$ ✓ $B = 39 \times R13$ ✓ $= R5265$ ✓	(4)
	1.2.4	$\boldsymbol{Income} = number\ of\ masseuses \times R135$ ✓✓	(2)
			[19]
Question 2			
2.1	$\frac{250g}{120g} =$ ✓ $2.08 \approx 3\ cups$ ✓		(2)
2.2	$120g \times 2$ ✓ $= 240g$ ✓		(2)
2.3	$\boldsymbol{F} = \frac{9}{5}(180^0) + 32$ ✓ $= 356$ ✓		(2)
2.4	$Half\ a\ day = 12\ hours$ ✓ $12\ h \times 60$ ✓ $= 720\ Minutes$ ✓ $720\ M \times 60 = 43\ 200\ Seconds$ ✓		(4)
			[10]
Question 3			
3.1			
	3.1.1	Perimeter is a total distance around a netball court. ✓✓ Or any other relevant answer ✓✓	(2)

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	3.1.2	$Area = l \times b$ $= 30.5m \times 15.25m$ ✓ $= 465.125m^2 \approx 465.13m^2$ ✓	(2)
	3.1.3	$Diameter = 4.9m \times 2 = 9.8m$ ✓ $15.25m - 9.8m$ ✓ $= 5.45m$ ✓ $A = 5.45 \div 2$ ✓ $= 2.73m$ ✓	(5)
3.2			
	3.2.1	$Total\ Area = 0.4m^2 \times 50$ ✓ $= 20m^2$ ✓	(2)
	3.2.2	$x = \frac{2.5l \checkmark \times 20m^2 \checkmark}{3.8m^2 \checkmark}$ $= 13.16l$ ✓	(4)
	3.2.3	$13.16l \div 2$ ✓ $= 7\ cans$ ✓	(2)
	3.2.4	$Total\ cost = 7 \times R139$ ✓ $= R973$ ✓ $Remaining\ Balance = R1100 - R973$ ✓ $= R127$ ✓	(4)
			[21]
			Grand Total [50]

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