KWAZULU-NATAL PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

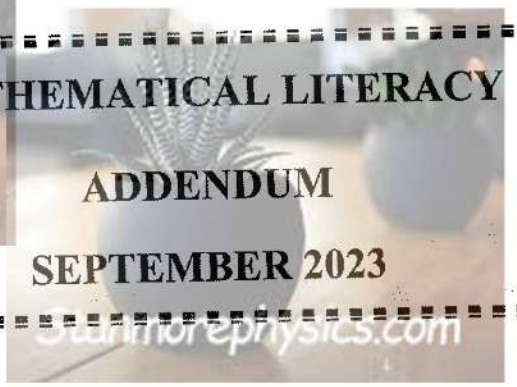
GRADE 10



MATHEMATICAL LITERACY

ADDENDUM

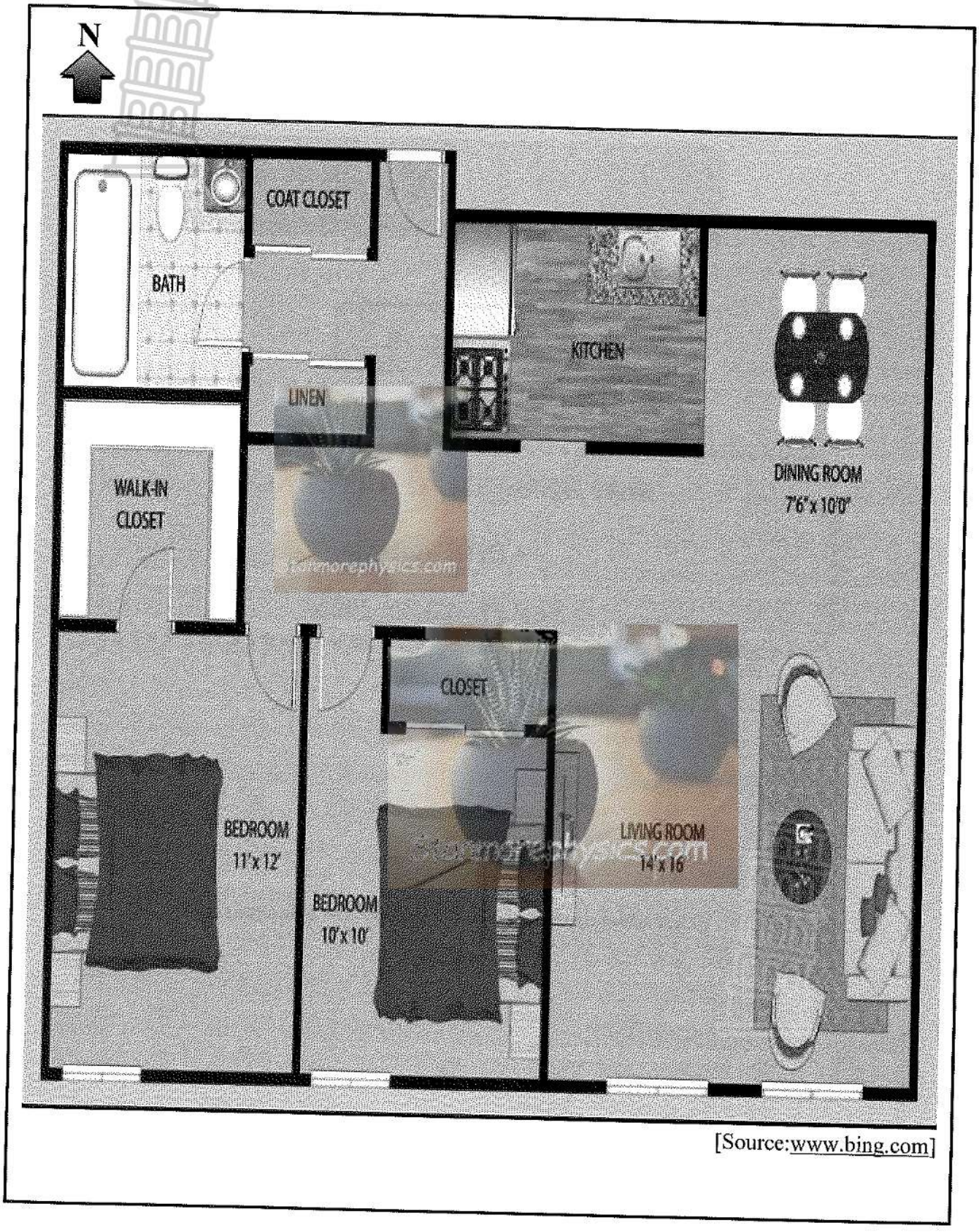
SEPTEMBER 2023



This addendum consists of 2 pages with 1 annexure.

QUESTION 3

PLAN OF A HOUSE



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GRADE 10

MATHEMATICAL LITERACY

COMMON TEST

SEPTEMBER 2023

MARKING GUIDELINE

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MARKS: 75

SYMBOL	EXPLANATION
M	Method
MA	Method with accuracy
CA	Consistent accuracy
A	Accuracy(Answer)
C	Conversion
S	Simplification
RT/RG/RD	Reading from a table/ graph/ diagram
NPR	No penalty for units/rounding
SF	Correct substitution in a formula
O	Opinion/ reason/deduction/example
J	Justification
R	Rounding off/
F	deriving a formula
E	Explanation
U	Units
AO	Answer only full marks

This marking guideline consists of 5 pages.

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	QUESTION 1 [20 MARKS] ANSWER ONLY FULL MARKS		
QUE	SOLUTION	EXPLANATION	TL
1.1.1	B ✓✓A	2A, Answer (2)	L1 M
1.1.2	A✓✓A	2A, Answer (2)	L1 M
1.1.3	D✓✓A	2A, Answer (2)	L1 M
1.2.1	Number of minutes =2,5×60 ✓C = 150 minutes✓A	1C, Converting hours to minutes 1A, Answer (2)	L1 M
1.2.2	Amount = 2,5 ×R2650 ✓MA = R6 625✓A	1MA, Multiplying R2650 by 2,5 2A, Answer (2)	L1 F
1.2.3	Two thousand six hundred and fifty rands✓✓A	2A, Answer (2)	L1 F
1.3.1	Value Added Tax✓✓A	2A, Answer (2)	L1 F
1.3.2	25 litres✓✓RD	2RD,Answer (2)	L1 M
1.3.3	14 days✓✓A	2A,Answer (2)	L1 M
1.3.4	Savings = R159 – R119✓SF = R40✓A	1SF, Correct substitution 1A,Answer (2)	L1 F
		[20]	

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	QUESTION 2 [17 MARKS]		
QUE	SOLUTION	EXPLANATION	TL
2.1	R17,99✓✓A	2A, Answer (2)	L1 F
2.2	✓A P(VAT free) = $\frac{2}{15}$ ✓A	1A, Numerator 1A, Denominator (2) Accept= $\frac{1}{5}$	L2 P
2.3	Amount per kg = $\frac{7,99}{0,3}$ ✓MA = R26,63✓A	1MA, dividing 7,99 by 0,3 1A,answer (2)	L3 F

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QUE	SOLUTION	EXPLANATION	TL
2.4	The are no cents, 5 cents and 10 cents ✓✓O **OR** Accept any other valid reason	1O, Reasoning (2)	L4 F
2.5	✓RG Amount of ENT bacon/egg LF = 0,458 × R49,99✓M = R22,90	1RG,reading correct values 1M, multiplying correct values (2)	L3 F
2.6	Bank transaction fee = R3,00 +(1,20 × $\frac{200}{100}$)✓SF = R3,00 + (2,4) ✓S = R5,40✓A	1SF,correct substitution 1S, simplification 1A, Answer (3)	L3 F
2.7	Internet banking✓✓O	2O,Opinion (2)	L2 F
2.8	It is safe ✓✓O **OR** Convenient	2O, Reasoning (2)	L4 F
		[17]	

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	QUESTION 3[21 MARKS]		
QUE	SOLUTION	EXPLANATION	TL
3.1	Kitchen ✓✓A	2A, Answer (2)	L2 MP
3.2	North West **OR** NW ✓✓A	2A, Answer (2)	L2 MP
3.3	P (not main door)= $\frac{4}{5}$✓✓A	2A ,Answer (2)	L2 P
3.4	The statement is invalid✓A There is no window in the kitchen or dining room. Therefore, no sunlight ✓✓O	1A, Answer 2O, opinion (3)	L4 DH
3.5	Entrance✓A There is only one main entrance in the house. ✓✓O **OR** Windows✓A There are no windows east or west side of the house for sunlight✓✓O **OR** Accept any other valid reason	1A, Answer 2O, Opinion **OR** 1A, Answer 2O, Opinion (3)	L4 MP

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QUE	SOLUTION	EXPLANATION	TL
3.6.1	1cm ×10✓C = 10 mm✓A	1C,Converting cm to mm 1A, Answer (2)	L1 M
3.6.2	1cm: 1000mm 1cm: $\frac{1000}{10}$ cm✓C 1:100✓A **OR** 1cm: 10000mm (1×10) mm : 1000mm✓C 10:1000 1:100✓A	1C,Converting mm to cm 1A,Answer **OR** 1C, Converting cm to mm 1A,Answer **AO** (2)	L2 MP
3.6.3	Length of the eastern wall is 155 mm✓M Actual length = 155 × 100✓MCA = 15500 mm✓CA Actual length in metres = $\frac{15500}{1000}$ ✓C = 15.5m✓A	**MCA from 3.6.2** 1M, Measuring the eastern wall 1MCA, Multiplying the measured length with a scale. 1CA, Answer 1C,conversion to metres 1A,Answer (5)	L3 MP
		[21]	

	QUESTION 4 [17 MARKS]		
QUE	SOLUTION	EXPLANATION	TL
4.1	Six thousand three hundred litres✓✓A	2A, Answer (2)	L1 M
4.2	Dozens of litres = $\frac{6300}{12}$ ✓MA = 525 dozens of litres✓A	1MA, Dividing 6300 by 12 1A, Answer (2)	L2 M
4.3	Amount of diesel = $\frac{80}{100}$ × 6300 ✓MA = 5040 litres ✓A	1MA, multiplying 80% of 6300 1A,answer (2)	L2 M
4.4.1	Number of litres = $\frac{1000}{5}$ ✓M = 200✓A	1M, dividing correct values 1A,Answer (2)	L2 M

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QUE	SOLUTION	EXPLANATION	TL
4.4.2	2 day = 48 hours✓C Amount of diesel in 48 hours = (48×200) ✓M = 9600 litres✓CA✓U	**MCA from 4.4.1** 1C, Converting 2 day = 48 hours 1M, multiplying correct value 1CA, Answer 1U,Units (4)	L3 M
4.4.3	Number of days to finish diesel = $\frac{5040}{200}$ ✓M = 25,2 hours✓S $\frac{25,2}{24}$ hours✓M =1,05 days✓CA The statement is not true✓J	1M, dividing correct values 1S,Simplification 1M, dividing correct values 1CA,Answer 1J,Justification (5)	L4 F
		[17]	
		TOTAL:75	

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