GAUTENG PROVINCE
EDUCATION
REPUBLIC OF SOUTH AFRICA

JUNE EXAMINATION
GRADE 12

2026

MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

SYMBOL	EXPLANATION
M	**Method**
MA	Method with accuracy
MCA	Method with consistent accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT	Reading from a table/graph/document/diagram
SF	Correct substitution in a formula
O	Opinion/Explanation
P	Penalty e.g. for no unit, incorrect rounding-off, etc.
NPR	No penalty for correct rounding
NPU	No penalty for omitting unit, but wrong unit is penalised
AO	Answer only

KEY TO SUBJECT SYMBOLS:

M = Measurement; MP = Maps, Plan and other representations; P = Probability

KEY TO LEVEL OF DIFFICULTY:

E = EASY; M = MEDIUM; D = DIFFICULT

11 pages

NOTE:

- If a candidate answers a question TWICE, only mark the FIRST attempt.
- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed-out (cancelled) version.
- Consistent accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error.
- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra incorrect item presented.
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NOTES

2.1.1	Three million eight-hundred and thirty-nine thousand USD ✓✓RT	2 RT correct value in words	(2)	F1
3.1	76 416 ✓RT	1 RT correct seating capacity	(1)	DH1
4.2.3	**Accept R0,00** for Afri Cell if learners took the first 100 minutes as free.		(2)	F3

QUESTION 1	[AO FULL MARKS]			[20 MARKS]
	Solution	**Explanation**	**Marks**	**T&L**
1.1.1	A budget is a financial plan of the projected/expected income and its sources that FIFA expects to generate from the 2026 Soccer World Cup and the estimated expenditure per category. ✓✓ O	2 O definition of budget within context	(2)	F1
1.1.2	A = \$8,883 billion – (\$3,92 + \$1,78 + \$0,7 + \$0,111 + \$0,072) ✓ M A = \$2,3 billion ✓ A **OR** A = \$ 8,883 billion – 6,583 billion = \$ 2,3 billion	1 M subtracting correct values 1 A simplification 1 M subtracting correct values 1 A simplification	(2)	F1
1.1.3	FIFA Club Protection Programme ✓✓RT	2 RT correct category **Accept CPP**	(2)	F1
1.1.4	3 920 000 000 dollars ✓✓A **OR** Three billion nine-hundred and twenty million dollars ✓✓A	2 A correct amount **NPU**	(2)	F1
1.1.5	Surplus ✓✓A	2 A answer	(2)	F1
1.1.6	✓MA ✓A Difference = \$896 – \$355 = \$541 million	1 MA subtracting correct values 1 A answer **Accept \$541**	(2)	F1
1.2.1	Descending ✓✓A	2 A answer	(2)	DH1
1.2.2	Mode = 72 100 ✓✓RT	2 RT answer	(2)	DH1
1.2.3	Range = Maximum – Minimum = 93 000 – 45 500 ✓SF = 47 500 ✓A	1 SF subtracting correct values 1 A answer	(2)	DH1
1.2.4	Number of stadiums = 16 × 12,5% ✓MA = 2 ✓A	1 MA calculating percentage 1 A answer	(2)	DH1
				[20]

QUESTION 2				[29 MARKS]
	Solution	**Explanation**	**Marks**	**T&L**
*2.1.1	Three billion, eight hundred and thirty-nine million USD**.** ✓✓ RT	2RT correct value in words	(2)	F1
2.1.2	Operational expenses ✓✓ RT	2RT correct expense	(2)	F1
2.1.3	3,839 million × 9% ✓ MA = USD 0,34551 million ✓ A **OR** 3 839 000 000 × 9% ✓ MA = USD 345 510 000✓ A	**CA from Question 2.1.1** 1MA correct % calculation 1A simplification 1MA correct % calculation 1A simplification	(2)	F2
2.2.1	$= \frac{45\ million - 38\ million}{38\ million}$ ✓ MA × 100 = 18,42105263 % ✓ S = 18 % ✓ R	1MA substitution into formula 1S simplification 1R rounding to the nearest % **Accept 19 %**	(3)	F3
2.2.2	= 38 000 000 ✓ RT × 17,79 ✓ MA = R 676 020 000 ✓ S	1RT correct amount in dollars 1MA multiplying by correct exchange rate 1S simplification **Accept R676,02 million** **R676,02 M**	(3)	F2
2.3.1	The tax threshold for people 65 years and younger refers to the **minimum amount of income** you must earn before you are required to pay income tax for a given tax year ✓✓ O **OR** If a taxpayer who is 65 years or younger earns **less than the threshold**, they do not have to pay income tax. ✓✓ O	2O explanation of tax threshold	(2)	F4

2.3.2	**Gross Annual Income** R 65 000 × 12 = R 780 000 ✓ MA **Pension Fund** R 780 000 × 7,5% = R 58 500 ✓ MA **Taxable Income** = R780 000 – 58 500 ✓ MCA – 15 000 ✓ MCA = R 706 500 ✓ CA	1 MA monthly × 12 1 MA calculate 7,5% of salary **Accept** **R65 000 × 7,5% = R4 875** **R 4 875 × 12 = 58 500** 1MCA subtraction of pensions fund 1MCA subtraction of donation 1CA simplification	(5)	F3
2.3.3	**Medical Tax Rebate** = 728 + 246 + 246 ✓A = R 1 220 × 12 ✓ MCA = R 14 640 ✓ CA	1A adding rebates 1MCA multiplying by 12 1CA answer	(3)	F3
2.3.4	**Tax payable** = 179 147 + 39% of taxable income above 673 300) = 179 147 + 39% (706 500 – 673 000)✓SF =192 212 ✓S = 192 212 – 14 640 – 17 235 – 9 444 ✓✓MCA = R 150 893 ✓ CA = R 150 893 ÷ 12 ✓ MA = R 12 574,42 ✓ M	**CA from Question 2.3.2 and 2.3.3** 1SF substitution into formula 1S simplification 2MCA subtraction of rebates/ medical credits 1CA simplification 1MA dividing by 12 1M calculating monthly tax	(7)	F4
			[29]	

QUESTION 3				[20 MARKS]
	Solution	**Explanation**	**Marks**	**T&L**
*3.1	Arrowhead Stadium ✓✓ RT	2RT correct stadium	(2)	DH1
3.2	The data is **discrete** ✓✓ A because the number of seats is **counted in whole numbers**, and fractions of seats are not possible in this context. ✓✓ O	2A type of data 2O explanation	(4)	DH2
3.3	Arrange values in ascending order: 68 500; 69 000; 69 176; 70 240; 71 000; 72 220; 76 416; 80 000; 82 500; 87 523✓A Q1 = 69 176 ✓RT Q3 = 80 000 ✓RT IQR = Q3 − Q1✓M = 80 000 – 69 176 ✓MCA = 10 824 ✓CA	1A arranging values in ascending order 1RT correct value Q1 1RT correct value Q3 1M concept of IQR 1MCA subtraction of correct values 1CA answer	(6)	DH3
3.4	*Mean* = ✓M✓SF $\frac{87\,523 + 82\,500 + 80\,000 + 76\,416 + 72\,220 + 71\,000 + 70\,240 + 69\,176 + 69\,000 + 68\,500}{10}$ = 74 657,5 ✓A = 74 658 ✓R 74 658 > 51 856 Statement is valid ✓O	1M concept of mean 1SF substitution 1A simplification 1R rounding **Accept 74 657** 1O conclusion	(5)	DH4
3.5	$= \frac{6\ ✓A}{10\ ✓A}$ = 0,6 ✓CA	1A numerator 1A denominator 1CA simplification **AO full marks**	(3)	P3
				[20]

QUESTION 4				[31 MARKS]
	Solution	**Explanation**	**Marks**	**T&L**
4.1.1	240 months = 240 ÷ 12 ✓M = 20 years ✓A	1 M dividing months by 12 1 A answer **AO full marks**	(2)	F1
4.1.2	✓ MA ✓ M Percentage = $\frac{6\,037{,}50}{60\,530{,}00} \times 100$ = 9, 974 % ✓ CA	1 MA correct values in fraction 1 M multiplying by 100 1 CA answer **Accept 9,97%** **NPU**	(3)	F2
4.1.3	✓ RT ✓ MA Y = R9 206, 06 ÷ 30% Y = R30 686, 87 ✓ S **OR** ✓ RT Y = R9 206, 06 × $\frac{100}{30}$ ✓ MA Y = R30 686, 87 ✓ S	1 RT correct amount 1 MA dividing by 30% 1 S simplification 1 RT correct amount 1 MA reverse percentage 1 S simplification	(3)	F2
4.1.4	1st year: Interest = 9,5% × R47 000 ✓ MA = R4 465 Total = R47 000 + R4 465 = R51 465 ✓ CA 2nd year: Interest = 9,5% × R51 465 ✓ MCA = R4 889, 18 Total = R51 465 + R4 889, 18 = R56 354, 18 ✓ CA 3rd year: Interest = 9,5% × R56 354, 18 ✓ MCA = R5 353, 65 Value of investment = R56 354, 18 + R5 353,65 = R61 707, 83 ✓ CA The amount will be enough to cover the initial costs ✓ O/CA **OR**	1 MA calculating 1st year interest 1 CA total of correct values of first year(year 1) 1 MCA calculating 2nd year interest 1 CA total of correct values of 2nd year (year 2) 1MCA calculating 3rd year interest. 1 CA final amount after 3 years 1 O/CA conclusion	(7)	F4

	Value of investment = (R47 000 × 1,095) ✓MA × 1,095 ✓MCA × 1,095✓MCA = R61 707, 83 ✓ CA The amount will be enough to cover the initial costs ✓✓ O/CA	1 MA mutiplying by 1,095 1 MCA multiplying by 1,095 (1st year) 1 MCA multiplying by 1,095 (2nd year) 1 MCA multiplying by 1,095 (3rd year) 1 CA Answer 2 Opinion		
4.2.1	Total cost = R1 050 × 36 ✓ MA = R37 800 ✓ A	1 MA multiplying correct values 1 A answer **AO full marks**	(2)	F2
4.2.2	C ✓✓ A **OR** Total amount = R1 050 + (Number of call minutes × R2,00) ✓✓ A	2 A correct choice	(2)	F2

*4.2.3	Afri Cell: ✓ MA Cost of calls = R3, 00 × 76 minutes = R228, 00 ✓ CA One World: ✓ MA Cost of calls = (R2, 00 × 75) + (R2, 00 ÷ 60) × 25 ✓ MA = R150 + R0, 83 = R150, 83 ✓CA One world would be the cheaper option ✓ O	1 MA multiplying by 76 1 CA answer 1 MA calculating cost of minutes 1 MA calculating cost of seconds 1 CA answer 1O conclusion	(6)	F3
4.2.4(a)	X – One World ✓ A Y – Afri Cell ✓ A	1 A correct option 1 A correct option	(2)	F2
4.2.4(b)	One World (or X): Cost = R1 600 ✓ RT Afri Cell (or Y): Cost = R1 720 ✓ RT Difference = R1 720 – R1 600 ✓ MCA = R120 ✓ CA	**CA from Question 4.2.4(a)** 1 RT reading from graph 1 RT reading from graph 1 MCA subtracting values 1 CA answer	(4)	F2
				[31]

Total: 100

TAXONOMY LEVEL TABLE

TOTAL: **100**

TASK: JUNE EXAMINATION 2026 GRADE: 12

Question Number	TL 1	TL 2	TL3	TL4
1.1.1	2F			
1.1.2	2F			

1.1.3	2F			
1.1.4	2F			
1.1.5	2F			
1.1.6	2F			
1.2.1	2D			
1.2.2	2D			
1.2.3	2D			
1.2.4	2D			
2.1.1	2F			
2.1.2	2F			
2.1.3		2F		
2.2.1			3F	
2.2.2		3F		
2..3.1				2F
2.3.2			5F	
2.3.3			3F	
2.3.4				7F
3.1	2D			
3.2		4D		
3.3			6D	
3.4				5D
3.5		3P		
4.1.1	2F			
4.1.2		3F		
4.1.3		3F		
4.1.4				7F

4.2.1		2F		
4.2.2		2F		
4.2.3			6F	
4.2.4a		2F		
4.2.4b		4F		
Total	28	28	23	21
%	28	28	23	21
100	**28**	**28**	**23**	**21**

Finance 61 %
Data handling 36 %
Probability 3%