

SA's Leading Past Year

Exam Paper Portal



You have Downloaded, yet Another Great Resource to assist you with your Studies 😊

Thank You for Supporting SA Exam Papers

Your Leading Past Year Exam Paper Resource Portal

Visit us @ www.saexampapers.co.za





This Paper was downloaded from SAEXAMPAPERS

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



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

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.
-

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



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

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	$A = \$8,883 \text{ billion} - (\$3,92 + \$1,78 + \$0,7 + \$0,111 + \$0,072)$ ✓ M $A = \$2,3 \text{ billion}$ ✓ A OR $A = \$8,883 \text{ billion} - 6,583 \text{ billion}$ $= \$2,3 \text{ billion}$	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	$\checkmark \text{MA} \quad \checkmark \text{A}$ Difference = $\$896 - \$355 = \$541 \text{ million}$	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 = $16 \times 12,5\%$ ✓ MA $= 2$ ✓ A	1 MA calculating percentage 1 A answer	(2)	DH1
[20]				



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

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 $\times$ 9% ✓ MA = USD 0,34551 million ✓ A OR 3 839 000 000 $\times$ 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	$= \frac{45 \text{ million} - 38 \text{ million}}{38 \text{ million}} \checkmark \text{ MA} \times 100$ = 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 $\times$ 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



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

2.3.2	Gross Annual Income $R\ 65\ 000 \times 12 = R\ 780\ 000 \checkmark MA$ Pension Fund $R\ 780\ 000 \times 7,5\% = R\ 58\ 500 \checkmark MA$ Taxable Income $= R\ 780\ 000 - 58\ 500 \checkmark MCA$ $- 15\ 000 \checkmark MCA$ $= R\ 706\ 500 \checkmark CA$	1 MA monthly $\times 12$ 1 MA calculate 7,5% of salary Accept $R\ 65\ 000 \times 7,5\% = R\ 4\ 875$ $R\ 4\ 875 \times 12 = 58\ 500$ 1MCA subtraction of pensions fund 1MCA subtraction of donation 1CA simplification	(5)	F3
2.3.3	Medical Tax Rebate $= 728 + 246 + 246 \checkmark A$ $= R\ 1\ 220 \times 12 \checkmark MCA$ $= R\ 14\ 640 \checkmark CA$	1A adding rebates 1MCA multiplying by 12 1CA answer	(3)	F3
2.3.4	Tax payable $= 179\ 147 + 39\% \text{ of taxable income above } 673\ 300$ $= 179\ 147 + 39\% (706\ 500 - 673\ 000) \checkmark SF$ $= 192\ 212 \checkmark S$ $= 192\ 212 - 14\ 640 - 17\ 235 - 9\ 444 \checkmark \checkmark MCA$ $= R\ 150\ 893 \checkmark CA$ $= R\ 150\ 893 \div 12 \checkmark MA$ $= R\ 12\ 574,42 \checkmark M$	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]	



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

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	$\text{Mean} = \frac{87\,523 + 82\,500 + 80\,000 + 76\,416 + 72\,220 + 71\,000 + 70\,240 + 69\,176 + 69\,000 + 68\,500}{10}$ = 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	$= \frac{6}{10}$ = 0,6 ✓CA	1A numerator 1A denominator 1CA simplification AO full marks	(3)	P3
				[20]



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

QUESTION 4			[31 MARKS]	
	Solution	Explanation	Marks	T&L
4.1.1	240 months = $240 \div 12$ ✓ M = 20 years ✓ A	1 M dividing months by 12 1 A answer AO full marks	(2)	F1
4.1.2	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 $\div$ 30% Y = R30 686,87 ✓ S OR ✓ RT Y = R9 206,06 $\times \frac{100}{30}$ ✓ 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	1 st year: Interest = $9,5\% \times R47\ 000$ ✓ MA = R4 465 Total = R47 000 + R4 465 = R51 465 ✓ CA 2 nd year: Interest = $9,5\% \times R51\ 465$ ✓ MCA = R4 889,18 Total = R51 465 + R4 889,18 = R56 354,18 ✓ CA 3 rd year: Interest = $9,5\% \times R56\ 354,18$ ✓ 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 1 st year interest 1 CA total of correct values of first year(year 1) 1 MCA calculating 2 nd year interest 1 CA total of correct values of 2 nd year (year 2) 1 MCA calculating 3 rd year interest. 1 CA final amount after 3 years 1 O/CA conclusion	(7)	F4



SA EXAM PAPERS

Proudly South African



MARKING GUIDELINES

MATHEMATICAL LITERACY

(PAPER 1)

GR12 0626

	Value of investment $= (R47\ 000 \times 1,095) \checkmark \text{MA} \times 1,095 \checkmark \text{MCA}$ $\times 1,095 \checkmark \text{MCA}$ $= R61\ 707,83 \checkmark \text{CA}$ The amount will be enough to cover the initial costs $\checkmark \checkmark \text{O/CA}$	1 MA multiplying 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 $= R1\ 050 \times 36 \checkmark \text{MA}$ $= R37\ 800 \checkmark \text{A}$	1 MA multiplying correct values 1 A answer AO full marks	(2)	F2
4.2.2	C $\checkmark \checkmark \text{A}$ OR Total amount $= R1\ 050 + (\text{Number of call minutes} \times R2,00) \checkmark \checkmark \text{A}$	2 A correct choice	(2)	F2
*4.2.3	Afri Cell: $\checkmark \text{MA}$ Cost of calls $= R3,00 \times 76 \text{ minutes}$ $= R228,00 \checkmark \text{CA}$ One World: $\checkmark \text{MA}$ Cost of calls $= (R2,00 \times 75) + (R2,00 \div 60) \times 25 \checkmark \text{MA}$ $= R150 + R0,83$ $= R150,83 \checkmark \text{CA}$ One world would be the cheaper option $\checkmark \text{O}$	1 MA multiplying by 76 1 CA answer 1 MA calculating cost of minutes 1 MA calculating cost of seconds 1 CA answer 1 O conclusion	(6)	F3
4.2.4(a)	X – One World $\checkmark \text{A}$ Y – Afri Cell $\checkmark \text{A}$	1 A correct option 1 A correct option	(2)	F2
4.2.4(b)	One World (or X): Cost $= R1\ 600 \checkmark \text{RT}$ Afri Cell (or Y): Cost $= R1\ 720 \checkmark \text{RT}$ Difference $= R1\ 720 - R1\ 600 \checkmark \text{MCA}$ $= R120 \checkmark \text{CA}$	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]



SA EXAM PAPERS

Proudly South African

Total: 100

**MARKING GUIDELINES****MATHEMATICAL LITERACY****(PAPER 1)****GR12 0626**

TAXONOMY LEVEL TABLE

TOTAL: **100**TASK: JUNE EXAMINATION 2026GRADE: 12

Question Number	TL 1	TL 2	TL 3	TL 4
1.1.1	2F	 SA EXAM PAPERS Proudly South African		
1.1.2	2F			


MARKING GUIDELINES
MATHEMATICAL LITERACY
(PAPER 1)
GR12 0626

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


SA EXAM PAPERS

Proudly South African


MARKING GUIDELINES
MATHEMATICAL LITERACY
(PAPER 1)
GR12 0626

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%

SA EXAM PAPERS

Proudly South African