



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

MATHEMATICAL LITERACY P2

FEBRUARY/MARCH 2014

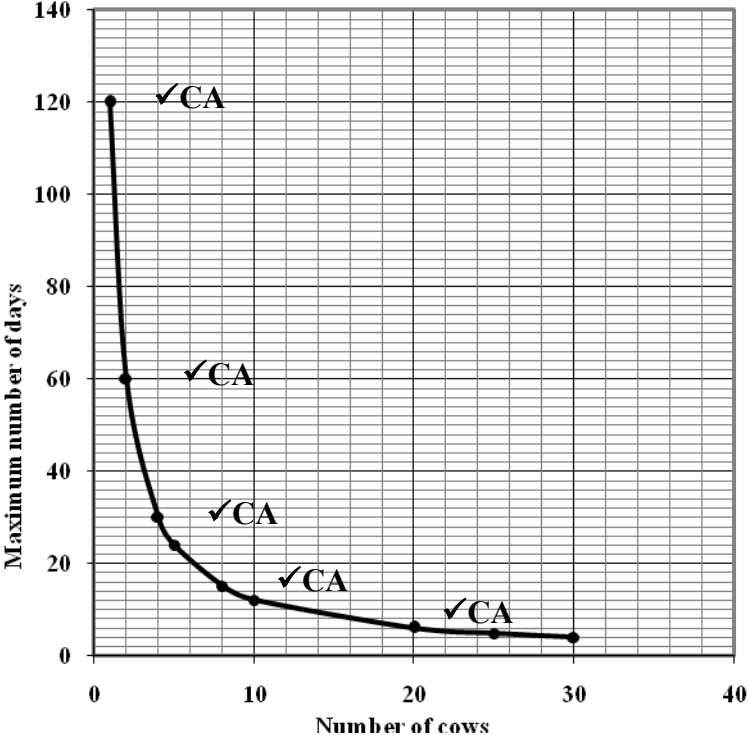
MEMORANDUM

MARKS: 150

Symbol	Explanation
M	Method
M/A	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG	Reading from a table/Reading from a graph
SF	Correct substitution in a formula
O	Opinion/Example
P	Penalty, e.g. for no units, incorrect rounding off etc.
R	Rounding off
J	Justification/reason

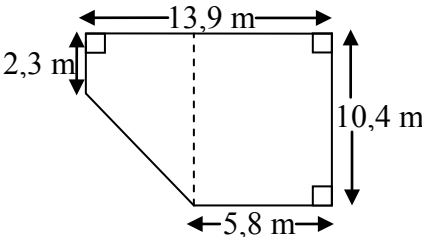
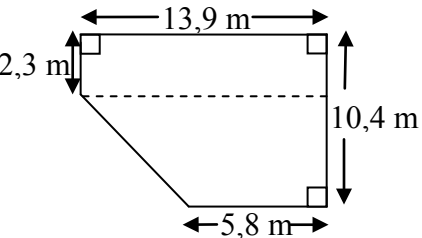
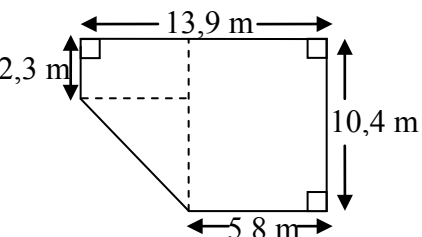
This memorandum consists of 14 pages.

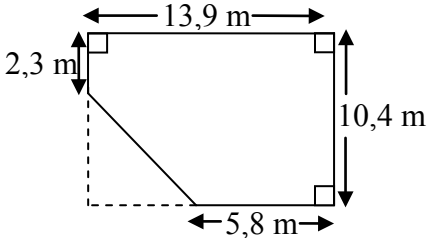
QUESTION 1 [31 MARKS]			
Ques	Solution	Explanation	AS/L
1.1.1	$\text{Curved area of the cylinder} = 2 \times 3,14 \times 70 \text{ cm} \times 140 \text{ cm} \checkmark\text{SF}$ $= 61\,544 \text{ cm}^2 \checkmark\text{CA}$ $\text{Area of wrap} = 1,06 \text{ cm} \times 61\,544 \text{ cm}^2 \checkmark\text{M}$ $= 65\,236,64 \text{ cm}^2 \checkmark\text{CA}$ <p style="text-align: center;">OR</p> $\text{Area of wrap: } \frac{6}{100} \times 61\,544 \text{ cm}^2 = 3\,692,64 \text{ cm}^2 \checkmark\text{M}$ $\therefore \text{Area of wrap} = 61\,544 \text{ cm}^2 + 3\,692,64 \text{ cm}^2 \checkmark\text{A}$ $= 65\,236,64 \text{ cm}^2 \checkmark\text{CA}$	1A circumference 1SF substitution 1CA curved area 1A increasing by 6% 1M concept 1CA area OR 1M concept of % 1A increasing by 6% 1CA area (6)	12.3.1 L3
1.1.2	$\text{Volume} = 3,14 \times (70 \text{ cm})^2 \times 140 \text{ cm} \checkmark\text{SF}$ $= 2\,154\,040 \text{ cm}^3 \checkmark\text{CA}$ $\text{Total surface area} = 2 \times 3,14 \times 70 \text{ cm}(70 \text{ cm} + 140 \text{ cm})$ $= 439,6 \text{ cm} \times (210 \text{ cm})$ $= 92\,316 \text{ cm}^2 \checkmark\text{CA}$ $\text{Volume: Total surface area} = 2\,154\,040 : 92\,316 \checkmark\text{M}$ $= 23,333 : 1$ $\approx 23 : 1 \checkmark\text{CA}$ $\therefore \text{Mathys' bales do conform.} \checkmark\text{CA}$	1SF substitution 1CA simplification 1CA simplification 1M writing as a ratio 1CA ratio in required form 1CA conclusion (6)	12.3.1 L3
1.1.3	$\text{Temperature in } ^\circ\text{F} = \frac{9}{5} \times 55^\circ + 32^\circ \checkmark\text{SF}$ $= 131^\circ \checkmark\text{CA}$ <p>$\checkmark\text{CA}$ No, his action was not correct.</p>	1SF substitution 1CA temperature in $^\circ\text{F}$ 1CA verification (3)	12.3.2 L4
1.2	$1^{\text{st}} \text{ layer} = 12 \text{ bales} \checkmark\text{A}$ $2^{\text{nd}} \text{ layer} = 5 \text{ bales}$ $3^{\text{rd}} \text{ layer} = 4 \text{ bales} \checkmark\text{A}$ $4^{\text{th}} \text{ layer} = 3 \text{ bales} \checkmark\text{A}$ $\text{Total number of bales} = 12 + 5 + 4 + 3 \checkmark\text{M}$ $= 24 \checkmark\text{CA}$	1A number of bales in 1 st layer 1A number of bales in 3 rd layer 1A number of bales in last (4 th) layer 1M adding 1CA simplification (5)	12.1.1 L3

Ques	Solution	Explanation	AS/L																
1.3.1	<p>Max number of days = $\frac{1440 \text{ kg} \checkmark A}{12 \text{ kg/day} \times 10 \checkmark A}$ = 12 days $\checkmark CA$</p> <p>OR</p> <p>Consumption per 10 cows = $12 \text{ kg/day} \times 10$ = 120 kg/day $\checkmark A$</p> <p>Max number of days = $\frac{1440 \text{ kg}}{120 \text{ kg/day}} \checkmark A$ = 12 days $\checkmark CA$</p>	<p>1A mass of each bale 1A consumption per 10 cows 1CA time taken</p> <p>OR</p> <p>1A mass of each bale 1A consumption per 10 cows 1CA time taken</p> <p>(3)</p>	12.2.1 L2																
1.3.2	<p>Max number of days = $\frac{1440 \text{ kg} \checkmark A}{12 \text{ kg/day} \times \text{number of cows}} \checkmark M$ = $\frac{120}{\text{number of cows}} \checkmark CA$</p> <p>OR</p> <p>Using variables</p>	<p>1A correct values used 1M dividing</p> <p>1CA simplified formula</p> <p>(3)</p>	12.2.1 L3																
1.3.3	<p style="text-align: center;">MAXIMUM NUMBER OF DAYS ONE BALE WOULD LAST TO FEED A NUMBER OF COWS</p>  <table border="1" style="display: none;"> <caption>Data points from the graph</caption> <thead> <tr> <th>Number of cows</th> <th>Maximum number of days</th> </tr> </thead> <tbody> <tr><td>1</td><td>120</td></tr> <tr><td>2</td><td>60</td></tr> <tr><td>3</td><td>40</td></tr> <tr><td>4</td><td>30</td></tr> <tr><td>10</td><td>12</td></tr> <tr><td>20</td><td>6</td></tr> <tr><td>30</td><td>4</td></tr> </tbody> </table>	Number of cows	Maximum number of days	1	120	2	60	3	40	4	30	10	12	20	6	30	4	<p>1CA (1; 120) 3CA any other 3 points plotted correctly 1CA joining by means of a smooth curve</p> <p>(5)</p>	12.2.2 L3
Number of cows	Maximum number of days																		
1	120																		
2	60																		
3	40																		
4	30																		
10	12																		
20	6																		
30	4																		
[31]																			

QUESTION 2 [26 MARKS]						
Ques	Solution	Explanation	AS/L			
2.1	$i = 0,072; n = 5$ $A = R650\,000(1 + 0,072)^5$ ✓SF ✓A $= R920\,210,7097$ $\approx R920\,210,71$ ✓CA	1A value of i 1SF substitution 1CA price of bus (3)	12.1.3 L3			
2.2.1	Amount (in rand) ✓A $= 400 \times \text{number of alumni members} - 1\,000$ ✓A OR Using symbols	1A multiplying number by 400 1A subtracting 1 000 (2)	12.2.1 L4			
2.2.2	<p style="text-align: center;">QUARTERLY CONTRIBUTION TOWARDS BUYING A NEW SCHOOL BUS</p> <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; padding: 5px;"> 1A starting at (10 ; 4000) 1A point (20 ; 8 000) 1A any other correct point between the above two points 1A joining the points </td> <td style="width: 50%; padding: 5px;"> 1A for (20 ; 7 000) indicated by a circle 1A point (35; 13 000) 1A any other correct point between the above two points </td> </tr> </table> <p style="text-align: right;">(7)</p>		1A starting at (10 ; 4000) 1A point (20 ; 8 000) 1A any other correct point between the above two points 1A joining the points	1A for (20 ; 7 000) indicated by a circle 1A point (35; 13 000) 1A any other correct point between the above two points	✓A ✓A ✓A ✓A ✓A ✓A ✓A	12.2. L3
1A starting at (10 ; 4000) 1A point (20 ; 8 000) 1A any other correct point between the above two points 1A joining the points	1A for (20 ; 7 000) indicated by a circle 1A point (35; 13 000) 1A any other correct point between the above two points					
2.2.3	$\frac{8\,600 + 1\,000}{400}$ ✓M $= 24$ ✓CA OR $\frac{8\,600 + 1\,000}{400}$ ✓M $= 24$ ✓CA	2RG reading from graph OR 1M calculation 1CA solution (2)	12.2.2 L3			

QUESTION 3 [30 MARKS]			
Ques	Solution	Explanation	AS/L
3.1.1	South East ✓ ✓ A	2A correct direction (2)	12.3.3 L2
3.1.2	Exiting Hallmark, she must: ✓ A * turn left and walk until she reaches the end of the fountain * then turn right passing shop number 9 and then left towards entrance number 3 * then enter Cafe Teen on the right hand side ✓ A OR Exiting Hallmark, she must: * walk straight passing entrance number 1 ✓ A * then turn left at the corner and walk until she reaches the end of the fountain * then turn left passing shop number 11 and then right towards entrance number 3 * enter Cafe Teen on the right hand side ✓ A	1A first turn and direction 1A destination OR 1A first turn and direction 1A destination (2)	12.3.3 L3
3.1.3	Cash 4 U ✓ A	1A correct store (1)	12.3.3 L2
3.1.4	The names are not alphabetical ✓ J The shops in the zones are not grouped together ✓ J	1J alphabetical order 1J numerical order (2)	12.4.2 L4
3.1.5	$P(\text{clothing shop}) = \frac{4}{13}$ ✓ A	1A numerator 1A denominator (2)	12.4.5 L2

Ques	Solution	Explanation	AS/L
3.2.1	<div style="text-align: center;">  </div> <p>Total floor space = area of rectangle + area of trapezium</p> $= \text{length} \times \text{breadth} + \frac{1}{2} (\text{sum of parallels}) \times \text{height}$ $= 5,8 \text{ m} \times 10,4 \text{ m} + \frac{1}{2} (2,3 \text{ m} + 10,4 \text{ m}) \times 8,1 \text{ m}$ $= 60,32 \text{ m}^2 + 51,44 \text{ m}^2 = 111,76 \text{ m}^2$ <p>OR</p> <div style="text-align: center;">  </div> <p>Total floor space = area of rectangle + area of trapezium</p> $= \text{length} \times \text{breadth} + \frac{1}{2} (\text{sum of parallels}) \times \text{height}$ $= 13,9 \text{ m} \times 2,3 \text{ m} + \frac{1}{2} (13,9 \text{ m} + 5,8 \text{ m}) \times 8,1 \text{ m}$ $= 31,97 \text{ m}^2 + 79,79 \text{ m}^2 = 111,76 \text{ m}^2$ <p>OR</p> <div style="text-align: center;">  </div> <p>Total floor space = area of big rectangle + area of smaller rectangle + area of triangle</p> $= \text{length} \times \text{breadth} + \text{length} \times \text{breadth} + \frac{1}{2} \times \text{base} \times \text{height}$ $= 10,4 \text{ m} \times 5,8 \text{ m} + 2,3 \text{ m} \times 8,1 \text{ m} + \frac{1}{2} \times 8,1 \text{ m} \times 8,1 \text{ m}$ $= 60,32 \text{ m}^2 + 18,63 \text{ m}^2 + 32,81 \text{ m}^2$ $= 111,76 \text{ m}^2$ <p>OR</p>	<p>1M calculating height 2SF substitution into correct formulae 2CA simplifying 1CA total floor space</p> <p>OR</p> <p>1M calculating height 2SF substitution 2CA simplification 1CA total floor space</p> <p>1M calculating height 2SF substitution 2CA simplification 1CA total floor space</p>	<p>12.3.1 L2 (3) L3 (2)</p>

Ques	Solution	Explanation	AS/L
	 <p>Total floor space = area of rectangle – area of triangle</p> $= \text{length} \times \text{breadth} - \frac{1}{2} \times \text{base} \times \text{height}$ $= 13,9 \text{ m} \times 10,4 \text{ m} - \frac{1}{2} \times 8,1 \text{ m} \times 8,1 \text{ m}$ $= 144,56 \text{ m}^2 - 32,805 \text{ m}^2$ $= 111,76 \text{ m}^2$	<p>1M calculating height 2SF substitution 2CA simplification 1CA total floor space (6)</p>	
3.2.2	<p>Note: The dist between the 2 entrances allow for ± 2 mm range</p> <p>The one horizontal measurement is 13,9 m On the question paper Hallmark is 1,2 cm ✓A On the question paper the distance from the northern entrance door to the southern entrance door is 9,3 cm ✓A</p> $\therefore \text{total distance} = \frac{9,3}{1,2} \times 13,9 \text{ ✓M}$ $\approx 107,73 \text{ m}$ <p>OR 1,2 cm : 13,9m 1cm = 11,583 m ✓M</p> $\therefore \text{total distance} = 9,3 \times 11,583$ $\approx 107,72 \text{ m}$ <p>∴ the distance is 110 metres ✓CA</p> <p>OR</p> <p>The one vertical measurement is 10,4 m On the question paper the side is 0,9 cm ✓A On the question paper the distance from the northern entrance door to the southern entrance door is 9,3 cm ✓A</p> $\therefore \text{total distance} = \frac{9,3}{0,9} \times 10,4 \text{ ✓M}$ $\approx 107,47 \text{ m}$ <p>OR 0,9 cm : 10,4m ✓M 1cm = 11,555.. m</p> $\therefore \text{total distance} = 9,3 \times 11,556$ $= 107,47 \text{ m}$ <p>∴ the distance is 110 metres ✓CA</p> <p>OR</p>	<p>1A measuring the side 1A measuring the total length 1M using scale and proportion 1CA total distance</p> <p>Note: A range of values from 1 cm to 1,4 cm will be accepted</p> <p>1A measuring the side 1A measuring the total length</p> <p>1M using scale and proportion 1CA total distance</p> <p>Note: A range of values from 0,7 cm to 1,1 cm will be accepted</p>	12.3.3 L4

Ques	Solution	Explanation	AS/L
	<p>The other horizontal measurement is 5,8 m On the question paper Hallmark is 0,5 cm ✓A On the question paper the distance from the northern entrance door to the southern entrance door is 9,3 cm ✓A</p> $\therefore \text{total distance} = \frac{9,3}{0,5} \times 5,8 \quad \checkmark M \quad \text{OR} \quad 0,5 \text{ cm} : 5,8 \text{ m} \quad \checkmark M$ $\approx 107,88 \text{ m} \qquad \qquad \qquad 1 \text{ cm} = 11,6 \text{ m}$ $\therefore \text{total distance} = 9,3 \times 11,6$ $= 107,88 \text{ m}$ <p>∴ the distance is 110 metres ✓CA</p> <p>OR</p> <p>The other vertical measurement is 2,3 m On the question paper Hallmark is 0,2 cm ✓A On the question paper the distance from the northern entrance door to the southern entrance door is 9,3 cm ✓A</p> $\therefore \text{total distance} = \frac{9,3}{0,2} \times 2,3 \quad \checkmark M \quad \text{OR} \quad 0,2 \text{ cm} : 2,3 \text{ m} \quad \checkmark M$ $\approx 106,95 \text{ m} \qquad \qquad \qquad 1 \text{ cm} = 11,5 \text{ m}$ $\therefore \text{total distance} = 9,3 \times 11,5$ $\approx 106,95 \text{ m}$ <p>∴ the distance is 110 metres ✓CA</p>	<p>1A measuring the side 1A measuring the total length</p> <p>1M using scale and proportion</p> <p>1CA total distance</p> <div style="border: 1px solid black; padding: 5px;"> <p>Note: A range of values from 0,3 cm to 0,7 cm will be accepted</p> </div> <p>1A measuring the side 1A measuring the total length</p> <p>1M using scale and proportion</p> <p>1CA total distance</p> <div style="border: 1px solid black; padding: 5px;"> <p>Note: A range of values from 0,1 cm to 0,4 cm will be accepted</p> </div>	
		(4)	
3.2.3	<p>The area of the curtain = $3 \times 4 = 12 \text{ m}^2$ ✓A</p> <p>The weight of the curtain = $4,7 \text{ kg/m}^2 \times 12 \text{ m}^2$ = 56,4 kg ✓CA</p> <p>Cost of a curtain material = $R12,50/\text{kg} \times 56,4 \text{ kg}$ ✓M = R705 ✓CA</p> <p>The cost does NOT exceed R800. ✓O</p>	<p>1A curtain area</p> <p>1CA curtain weight</p> <p>1M multiplying 1CA cost of curtain material</p> <p>1O opinion</p>	12.3.2 L4
		(5)	
3.3.1	<p>Friday ✓A Data for week 1 only started on Friday ✓J</p>	<p>1A correct day 1J explanation</p>	12.4.4 L4
		(2)	
3.3.2	<p>The number of people visiting the Mall on Friday, Saturday and Sunday is the highest. ✓✓J</p>	<p>2J correct justification</p>	12.4.4 L4
		(2)	
3.3.3	<p>✓A ✓A Week 4, Thursday</p>	<p>1A correct week 1A correct day</p>	12.4.4 L4
		(2)	
		[30]	

QUESTION 4 [38 MARKS]			
Ques	Solution	Explanation	AS/L
4.1.1	Percentage of blacks = 79,6% ✓A Black population in 2011 = 79,6% of 51 770 560 ✓M $= \frac{79,6}{100} \times 51\,770\,560$ $= 41\,209\,365,76 \quad \checkmark\text{CA}$ $\approx 41\,209\,366 \text{ or } 41\,209\,365 \quad \checkmark\text{R}$	1A correct percentage 1M using percentage 1CA black population 1R rounding (up or down) (4)	12.1.1 L3
4.1.2	Number of whites = $\frac{9,6}{100} \times 44\,819\,778 \quad \checkmark\text{M/A}$ $= 4\,302\,698,688 \quad \checkmark\text{CA}$ Number of white males = $\frac{48,36}{100} \times 4\,302\,699 \quad \checkmark\text{M/A}$ $= 2\,080\,785,086$ $\approx 2\,080\,785 \quad \checkmark\text{CA}$ Thandi's calculation is NOT correct. ✓J	1M/A using percentage 1CA white population 1M/A using percentage of white males 1CA simplification 1J verification (5)	12.4.1 L2(3) L3(2)
4.1.3	Indian population in 2001 = 1 120 494 ✓A Indian population in 2011 = 1 294 264 ✓A $\checkmark\text{J}$ \therefore Thandi's comment is not correct (the population increased)	1A number of Indians in 2001 1A number of Indians in 2011 1J conclusion (3)	12.4.4 L4
4.2.1 (a)	Population in 2001 = 21 434 041 + 23 385 737 $= 44\,819\,778 \quad \checkmark\text{A}$ $\text{A} = 44\,819\,778 - (14\,365\,288 + 2\,215\,211)$ $= 28\,239\,279 \quad \checkmark\text{CA}$	1A population in 2001 1CA simplification (2)	12.1.1 L3
4.2.1 (b)	Male : female = 1 : 1,08 ✓M OR $100 : 108 \quad \checkmark\text{M}$ $\checkmark\text{CA}$ $\checkmark\text{CA}$ 48 males and 52 females $= \frac{100}{208} \times 100$ $= 48 \text{ males} \quad \checkmark\text{CA}$ $\therefore 52 \text{ females} \quad \checkmark\text{CA}$	1M ratio 1CA males 1CA females (3)	12.1.1 L4

Ques	Solution	Explanation	AS/L
4.2.2 (a)	<p>Dependency % (in 2011)</p> $= \frac{n + m}{p} \times 100\%$ $= \frac{15\,100\,089 + 2\,765\,991}{33\,904\,480} \times 100\% \quad \checkmark\text{SF}$ $= 52,695\dots\% \left. \vphantom{\frac{15\,100\,089 + 2\,765\,991}{33\,904\,480}} \right\} \checkmark\text{A}$ $\approx 52,70\%$ <p>Dependency % (1996)</p> $= \frac{n + m}{p} \times 100\%$ $= \frac{13\,766\,443 + 1\,934\,664}{24\,882\,465} \times 100\% \quad \checkmark\text{SF}$ $= 63,101\dots\% \left. \vphantom{\frac{13\,766\,443 + 1\,934\,664}{24\,882\,465}} \right\} \checkmark\text{CA}$ $\approx 63,10\%$ <p>Difference = $63,10\% - 52,70\%$ = $10,4\%$ $\checkmark\text{CA}$</p>	<p>1SF substituting correct values</p> <p>1A simplification</p> <p>1SF substituting correct values</p> <p>1CA simplification</p> <p>1CA difference</p> <p>(5)</p>	12.4.1 L2
4.2.2 (b)	<p>The dependency % decreased because there are more people in the category (P) 15 – 64 years. $\checkmark\checkmark\text{J}$</p> <p>OR</p> <p>Technology became more advanced. $\checkmark\checkmark\text{J}$</p> <p>OR</p> <p>Improved medication $\checkmark\checkmark\text{J}$</p> <p>OR</p> <p>Improvement in health $\checkmark\checkmark\text{J}$</p> <p>OR</p> <p>The receiving of social grants $\checkmark\checkmark\text{J}$</p> <p>OR</p> <p>Any other valid reason $\checkmark\checkmark\text{J}$</p>	<p>2J opinion</p> <p>(2)</p>	12.4.4 L4
4.3.1	<p>Range = $1\,290 - P$</p> <p>$569 = 1\,290 - P \quad \checkmark\text{M} \quad \checkmark\text{A}$</p> <p>$\therefore P = 721 \quad \checkmark\text{CA}$</p> <p>OR $P = 1\,290 - 569 = 721 \quad \checkmark\text{CA}$</p>	<p>1M concept of range</p> <p>1A correct values used</p> <p>1CA solution</p> <p>(3)</p>	12.4.3 L3

Ques	Solution	Explanation	AS/L
4.3.2	Mean ✓M ✓A $= \frac{814+921+1\ 201+1\ 290+Q+966+864+721+828+829}{10}$ $= \frac{8\ 434 + Q}{10}$ $936 = \frac{8\ 434 + Q}{10}$ $Q = (936 \times 10) - 8\ 434$ $= 9\ 360 - 8\ 434 \quad \checkmark S$ $= 926 \quad \checkmark CA$	1A correct values used 1M concept of Mean 1S simplifying 1CA solution (4)	12.4.3 L3
4.3.3	721; 814; 828; 829; 864; 921; 926; 966; 1 201; 1 290 ✓M Median = $\frac{864+921}{2}$ ✓M $= 892,5 \left. \vphantom{\frac{864+921}{2}} \right\} \checkmark CA$ ≈ 893	1M arranging 1M concept of median 1CA solution (3)	12.4.3 L3
4.3.4	The sample is not representative of all the schools in South Africa. ✓✓J The sample is too small compared to the number of schools in the country. ✓✓J OR Any other suitable reasons.	2J reason 2J reason (4)	12.4.4 L4
		[38]	

QUESTION 5 [25 MARKS]			
Ques	Solution	Explanation	AS/L
5.1.1	$\text{Loan amount} = (\text{Monthly payment} \div \text{loan factor}) \times 1\,000 \checkmark M$ $= (\text{R}17\,550 \div 13,00) \times 1\,000 \checkmark A \checkmark SF$ $= \text{R}1\,350\,000 \checkmark CA$	1M subject of formula 1A loan factor 1SF substitution 1CA solution (4)	12.2.1 L3
5.1.2	She needs to have extra money available per month, for other expenses. $\checkmark\checkmark J$ She will pay more on interest. $\checkmark\checkmark J$ OR Any other valid reason	2J reason 2J reason (4)	12.1.3 L4
5.2.1	STL Bank: $\text{Monthly payment} = (1\,100\,000 \div 1\,000) \times 13,91 \checkmark A$ $= \text{R}15\,301 \checkmark CA$ $\therefore \text{Total repayment} = \text{R}15\,301 \times 240 \checkmark M$ $= \text{R}3\,672\,240 \checkmark CA$ <p>Pragashni should rather take STL Bank's deal. $\checkmark O$ Although the interest rate is higher, the year term is shorter and the total repayment amount is $\text{R}4\,290\,000 - \text{R}3\,672\,240 = \text{R}617\,760$ less. $\checkmark\checkmark J$</p> <p style="text-align: center;">OR</p> $\text{Monthly payment (STL Bank)} = (1\,100\,000 \div 1\,000) \times 13,91 \checkmark A$ $= \text{R}15\,301 \checkmark CA$ $\text{Monthly payment (EP Bank)} = (1\,100\,000 \div 1\,000) \times 13,00 \checkmark A$ $= \text{R}14\,300 \checkmark CA$ <p style="text-align: center;">$\checkmark O$</p> Pragashni should take EP bank his monthly instalment will be reduced by $\text{R}15\,301 - 14\,300 = \text{R}1\,001$. $\checkmark\checkmark J$	1SF substitution 1A using correct factor 1CA monthly payment 1M multiplying by 240 1CA final amount 1O choice 2J reason with calculation <p style="text-align: center;">OR</p> 1SF substitution 1A using correct factor 1CA monthly payment 1SF substitution into formula 1CA monthly payment 1O choice 2J reason with calculation (8)	12.1.1 12.1.3 12.2.1 L2 (3) L3(2) L4(3)

