



Province of the  
**EASTERN CAPE**  
EDUCATION

**NATIONAL  
SENIOR CERTIFICATE**

**GRADE 12**

**SEPTEMBER 2017**

**MATHEMATICAL LITERACY P2  
ADDENDUM**

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This ADDENDUM consists of 8 pages with 6 ANNEXURES and a 1-page ANSWERSHEET.

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**ANNEXURE A – QUESTION 1.1**

Table showing how much to pay for two different medical aid options in 2016:

**EMERALD:**

Salary row	R 0 – R 11 053	R 11 053 – R 19 089	R 19 089+
Member row	R 1 996	R 2 210	R 2 477
Adult row	R 1 416	R 1 583	R 1 761
Child row	R 731	R 820	R 914

**ONYX:**

Salary row	R 0 – R 11 053	R 11 053 – R 23 551	R 23 551+
Member row	R 3 193	R 3 322	R 3 587
Adult row	R 2 271	R 2 351	R 2 362
Child row	R 949	R 1 030	R 1 149

[Source: [www.gems.gov.za](http://www.gems.gov.za)]

**Notes:**

- Salary row reflects monthly salary before tax and other deductions.
- Member row shows how much the main member (person paying for the medical aid) has to pay.
- Adult row shows how much you pay for adult dependent.
- Child row shows how much the main member pay for child dependents (persons under the age of 21). Persons that are mentally or physically disabled, younger than 28 and still students at a recognised educational institution.

## ANNEXURE B – QUESTION 2.1

Remuneration for developing reading material:

Rates for 3 consecutive years			
Year	2013	2014	2015
Norm time (in minutes)	26	26	26
Rate for developing in Rand	147,36	138,25	169,30
Rate for transport in Rand	2,45 per km	2,64 per km	2,82 per km

## Notes:

- Norm time = number of minutes taken to develop 1 page
- Total remuneration = amount of developing material + transport
- Amount for developing material =  $\frac{\text{norm time}}{60} \times \text{rate for developing} \times \text{number of pages developed}$
- Transport fee = rate for transport  $\times$  number of kilometres travelled

**ANNEXURE C – QUESTION 2.2****Tax Tables for Individuals:****American Tax Table 2015/2016 (1 March 2015 to 29 February 2016)**

<b>IF TAXABLE INCOME IS BETWEEN:</b>	<b>THE TAX DUE IS:</b>
0 – \$9 225	10% of taxable income
\$9 226 – \$37 450	\$922,50 + 15% of the amount over \$9 225
\$37 451 – \$90 750	\$5 156,25 + 25% of the amount over \$37 450
\$90 751 – \$189 300	\$18 481,25 + 28% of the amount over \$90 750
\$189 301 – \$411 500	\$46 075,25 + 33% of the amount over \$189 300
\$411 501 – \$413 200	\$119 401,25 + 35% of the amount over \$411 500
\$413 201 +	\$119 996,25 + 39,6% of the amount over \$413 200

[Source: [www.incometax/p/america](http://www.incometax/p/america)]**South African Tax Table 2015/2016 Tax Year (1 March 2015 to 29 February 2016)**

<b>TAXABLE INCOME (R)</b>	<b>RATES OF TAX (R)</b>
0 – 181 900	18% of each R1
181 901 – 284 100	32 742 + 26% of the amount above 181 900
284 101 – 393 200	59 314 + 31% of the amount above 284 100
393 201 – 550 100	93 135 + 36% of the amount above 393 200
550 101 – 701 300	149 619 + 39% of the amount above 550 100
701 301 and above	208 587 + 41% of the amount above 701 300

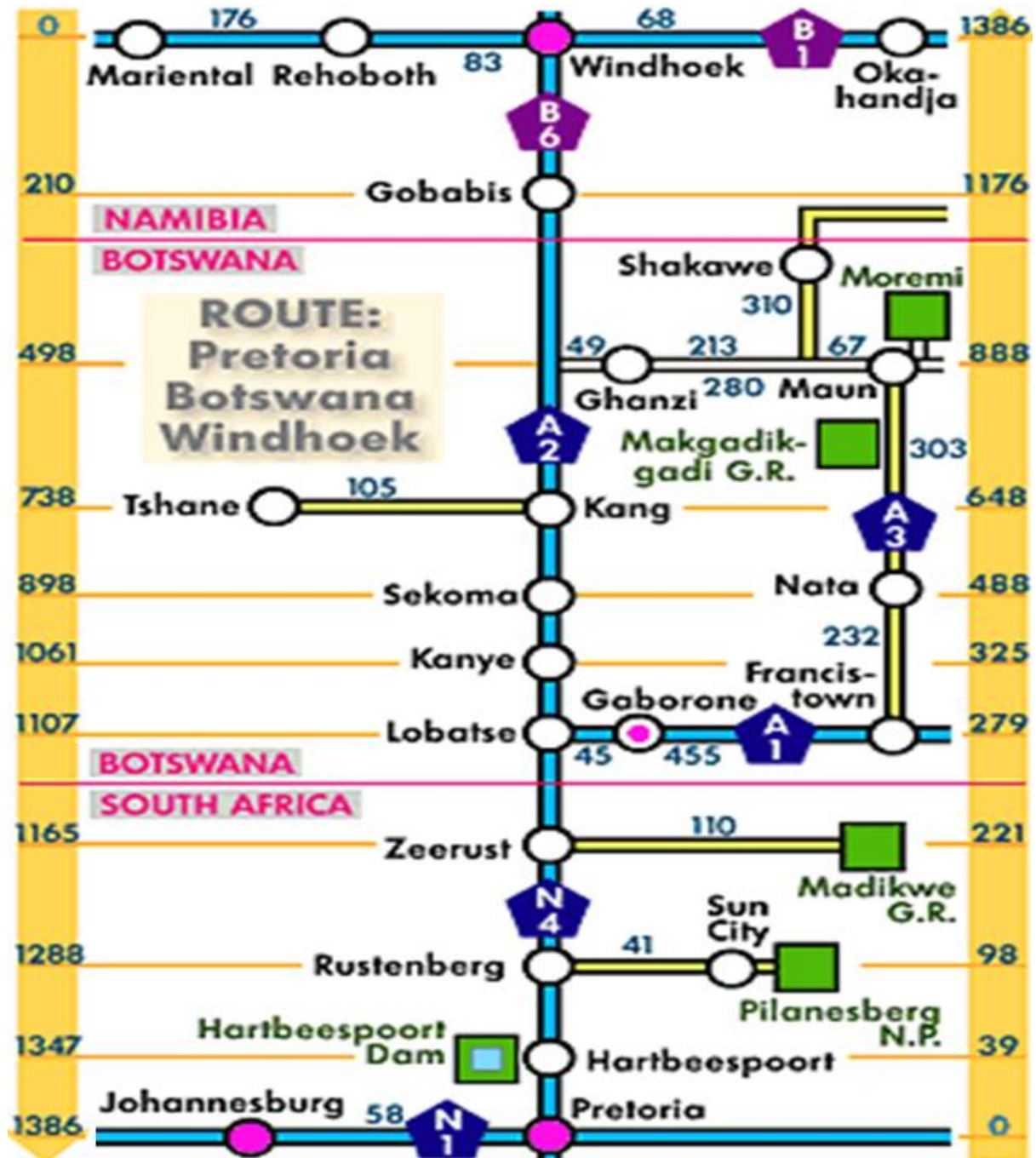
**Tax Rebates in South Africa**

<b>TAX REBATE</b>	<b>2016</b>	<b>2015</b>
Primary (younger than 65 years)	R13 257	R12 726
Secondary (65 years and older)	R7 407	R7 110
Tertiary (75 years and older)	R2 466	R2 367

[Source: [www.sars.gov.za](http://www.sars.gov.za)]

## ANNEXURE D – QUESTION 3.1

Strip chart map showing route from Pretoria to Windhoek:



[Source: [www.googlemaps.co.za](http://www.googlemaps.co.za)]

## ANNEXURE E – QUESTION 3.2

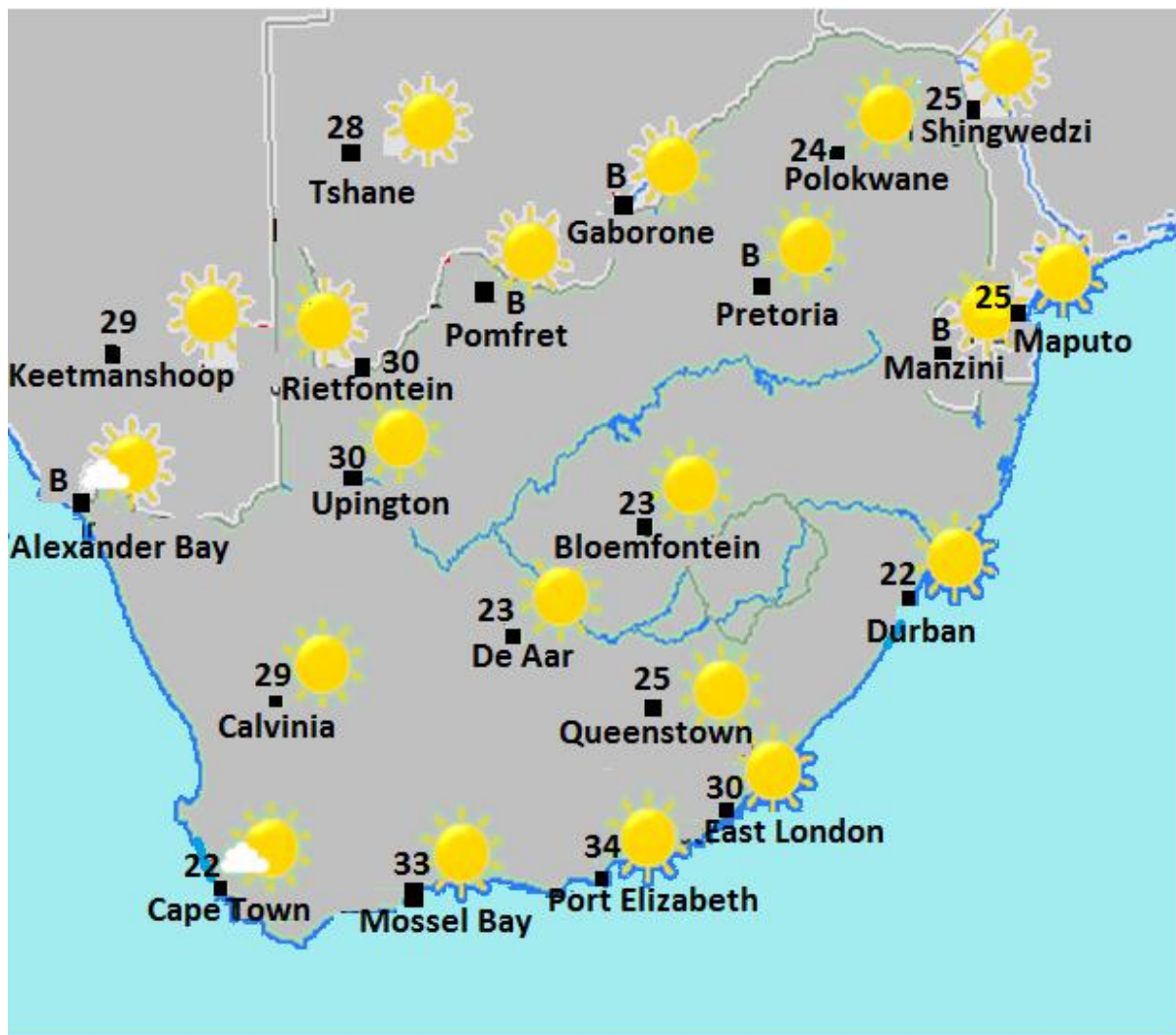
Grade 12 performance of some subjects from 2013 to 2016:

SUBJECTS	2013			2014			2015			2016		
	Wrote	Achieved at 30% and above	% achieved	Wrote	Achieved at 30% and above	% achieved	Wrote	Achieved at 30% and above	% achieved	Wrote	Achieved at 30% and above	% achieved
Geography	239 657	191 834	80,0	236 051	191 966	81,3	303 985	234 209	77,0	302 600	231 588	76,5
History	109 046	94 982	87,1	115 686	99 823	86,3	154 398	129 643	84,0	157 594	132 457	84,0
Life Sciences	301 718	222 374	73,7	284 298	209 783	73,8	348 076	245 164	70,4	347 662	245 070	70,5
Mathematical Literacy	324 097	282 270	87,1	312 054	262 495	84,1	388 845	277 594	71,4	361 865	257 881	71,3
Mathematics	241 509	142 666	59,1	225 458	120 523	53,5	263 903	129 481	49,1	265 810	135 958	51,1
Physical sciences	184 383	124 206	67,4	167 997	103 348	61,5	193 189	113 121	58,6	192 618	119 427	62,0

[Source: [www.education.gov.za](http://www.education.gov.za)]

## ANNEXURE F – QUESTION 4.2

Map with the maximum temperatures on 11 August 2016:



[Source: [www.weathersa.co.za](http://www.weathersa.co.za)]

## ANSWER SHEET 1 FOR QUESTION 4.2.4

NAME: \_\_\_\_\_

GRADE 12: \_\_\_\_\_

