



Province of the
EASTERN CAPE
EDUCATION

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

SEPTEMBER 2019

**MATHEMATICAL LITERACY P2
ADDENDUM
(Deaf)**



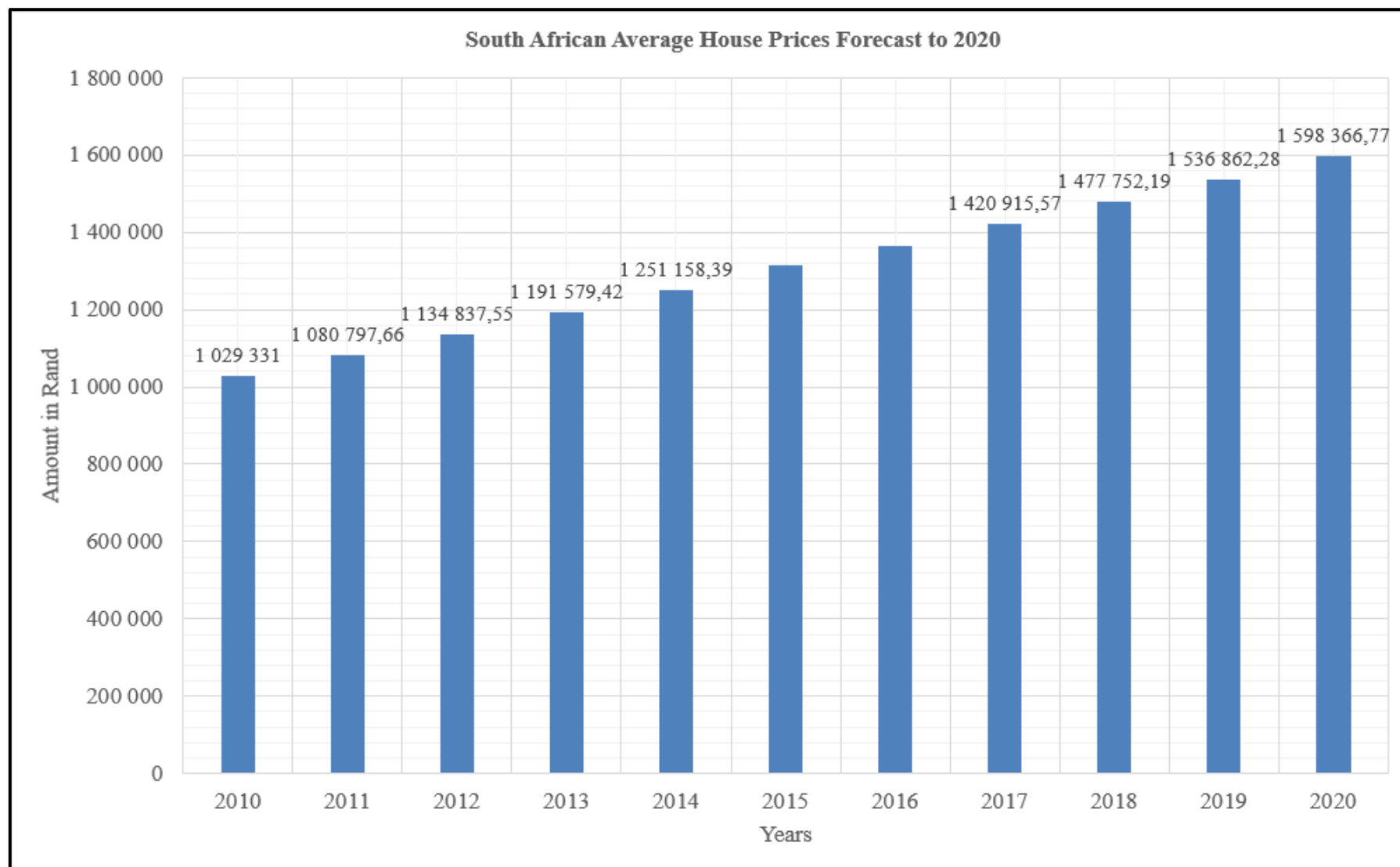
This addendum has 6 pages with a 5-page annexure.

ANNEXURE A – QUESTION 1.1

TABLE 1 – Account Statement for the duration_(time) of the loan period**NOTE: (...) Some months and values have been omitted_(deleted)**

Conditions of Loan	Loan Amount	R750 000	Interest rate (per annum)		9,75%
			Interest rate (per month)		0,8125%
			Loan Period		30 years
Month	Opening Balance	Interest	Balance with interest	Repayment	Closing Balance
1	R750 000	R6 093,75	R756 093,75	R6 442,50	R749 651,25
2	R749 651,25	R6 090,92	R755 742,17	R6 442,50	R749 299,67
3	R749 299,39	R6 088,06	...	R6 442,50	...
...
60	R722 033,45	R5 866,52	R727 899,97	R6 442,50	R721 457,47
...
120	R674 894,02	R5 483,51	R680 377,53	R6 442,50	R673 935,03
...
300	R286 424,55	R2 327,20	R288 751,75	R6 442,50	R282 309,25
...

ANNEXURE B – QUESTION 1.3



[Adapted from <https://housepricesouthafrica.wordpress.com>]

ANNEXURE C - QUESTION 2.1

Tax Table 2018/2019

Taxable Income (R)	Rates of tax (R)
0–195 850	18% of taxable income
195 851–305 850	35 253 + 26% of taxable income above 195 850
305 851–423 300	63 853 + 31% of taxable income above 305 850
423 301–555 600	100 263 + 36% of taxable income above 423 300
555 601–708 310	147 891 + 39% of taxable income above 555 600
708 311–1 500 000	207 448 + 41% of taxable income above 708 310

Tax Rebate 2018/2019

Primary (younger than 65)	R13 635
Secondary (65 and older)	R7 479
Tertiary (75 and older)	R2 493

Tax Thresholds

Person	2018/2019
Younger than 65	R75 750
65 and older	R117 300
75 and older	R131 150

Medical aid credits 2018/2019 year of assessment**(1 March 2018 - 28 February 2019)**

R310 per month for the taxpayer who paid the medical scheme contributions (payments)

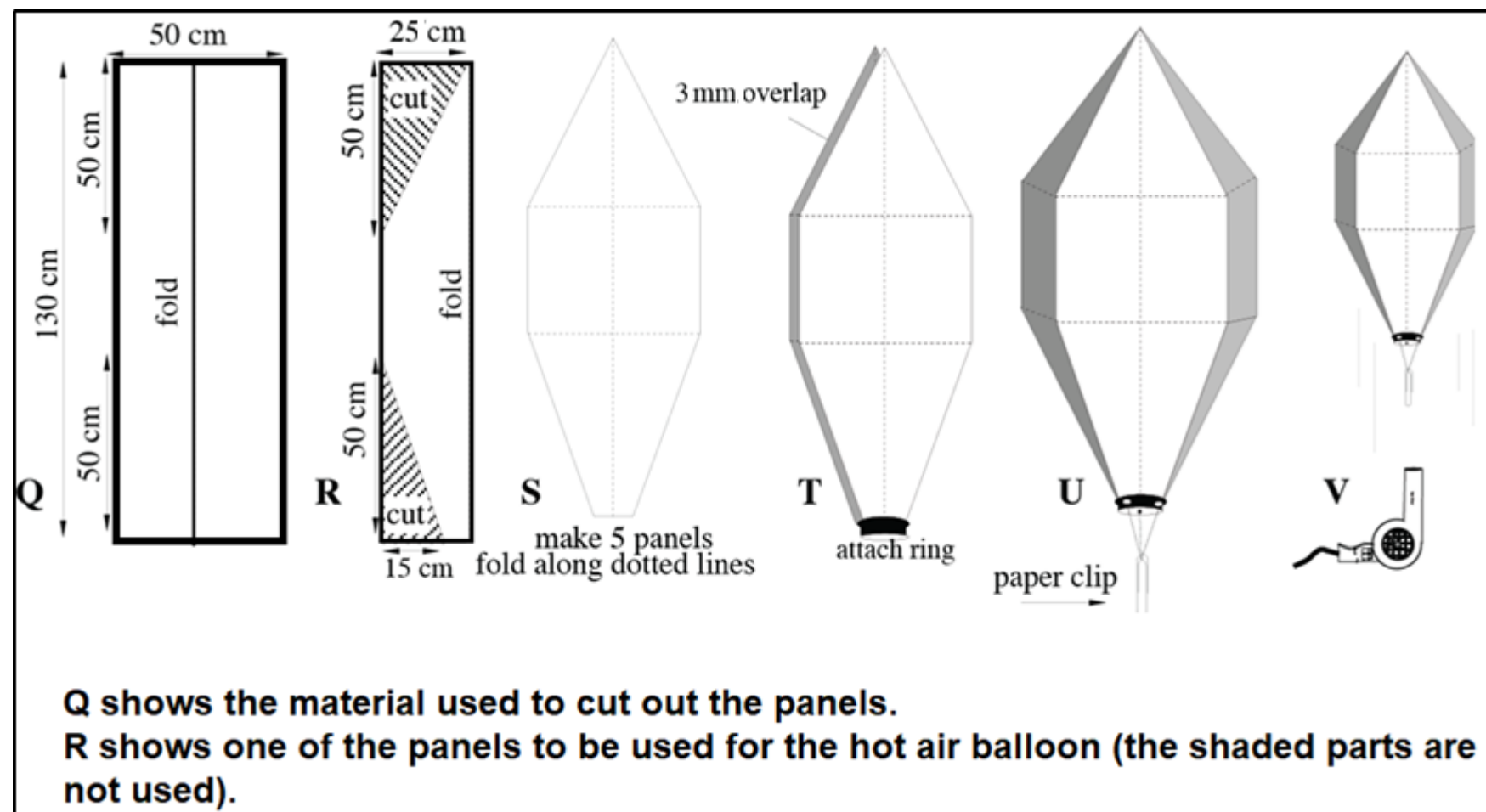
R310 per month for the first dependant

R209 per month for each additional dependant(s)

[Source: <http://sars.co.za>]

ANNEXURE D

QUESTION 4.1



[Source: <http://crammed-hot-air-balloon-construction-charle-s-law-balloons-646lupeanaya.png>]

ANNEXURE E

QUESTION 4.2

Hot Air Balloon Buoyancy

The diagram illustrates the relationship between the temperature of the air inside a hot air balloon and its buoyancy. Three balloons, labeled A, B, and C, are shown. Balloon A is at $+100^{\circ}\text{C}$ and is rising, with the text 'Lift greater than weight' and an upward arrow. Balloon B is at $+95^{\circ}\text{C}$ and is hovering, with the text 'Lift equal to weight' and a balanced double-headed arrow. Balloon C is at $+90^{\circ}\text{C}$ and is sinking, with the text 'Lift less than weight' and a downward arrow. Below the balloons, it is stated that the volume of all balloons is $2\,400\text{ m}^3$ and the outside temperature is 20°C .

The volume of all the hot air balloons is $2\,400\text{ m}^3$
The outside temperature of all the hot air balloons is 20°C .

NOTE: Buoyancy in this text refers to the ability of the hot air balloon to be lifted by hot air

[Source (Adapted): <http://buoyancy.png>]