

X208/13/31

NATIONAL THURSDAY, 30 MAY
QUALIFICATIONS 9.00 AM – 11.30 AM
2013

GEOGRAPHY
ADVANCED HIGHER
SECTION B
Supplementary Item C
for Q3

Fill in these boxes.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day Month Year

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Scottish candidate number

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Number of seat

If annotated by the candidate, to be placed inside
the front cover of the candidate's book and
thus sent to the Scottish Qualifications Authority.



SUPPLEMENTARY ITEM C FOR QUESTION 3

Table 1

Country	Electricity consumed per person (kWh)	GDP per capita \$US	Rank Electricity consumption	Rank GDP	Difference d	Difference d²
Australia	10,300	34,240	13	14	-1	1
Brazil	2136	9682	9	11	-2	4
Cameroon	251	2014	5	5	0	0
Canada	15,406	39,950	14	17	-3	9
China	2142	6679	10	9	1	1
Eritrea	46	546	1	1	0	0
Finland	15,754	33,339	15	13	2	4
France	7075	30,598	12	12	0	0
Ghana	264	1370	6	3	3	9
Iceland	50,083	37,783	18	16	2	4
India	535	2622	7	6	1	1
Mongolia	1110	3307	8	8	0	0
Nepal	81	1182				
Norway	24,005	49,221				
Senegal	149	1714				
Sudan	91	2728				
Ukraine	2921	6716				
United Arab Emirates	26,135	34,981				
						$\Sigma =$

Table 2: Critical Values given for Significance Level

N (no of values)	Significance Level	Significance Level
	95%	99%
18	0.399	0.564

Formula

$$R_s = 1 - \frac{6 \sum d^2}{n(n^2 - 1)}$$