

Question		Answer	Marks	Part Marks and Guidance	
1	(a)	0.0069	1		
	(b)	(i) $6.4[2] \times 10^7$	2	<b>B1</b> for 64 200 000 oe	
		(ii) Population ÷ area E – 415.38..      S – 67.94.. W – 147.61..      NI – 128.57.. Scotland	<b>M1</b> <b>A2</b> <b>A1</b>	Seen for one country All values rot to at least 2 sf <b>A1</b> for one of these values rot Dep. on 3 marks already scored	

2	(a)	$7.25 \times 10^5$	1		
	(b)	$3.6 \times 10^{-4}$ soi -4 > -5 oe	1 1	Or 0.00036 and 0.000036 seen Or -5 means one more zero after the point oe Or it is 10 times bigger	

3	(a)	E	1		
	(b)	C			
	(c)	D	1		

4	(a)		$2 \frac{11}{12}$	1		
	(b)		0.015625 isw	1		
	(c)		125	1	Condone 125.0	
	(d)		$3.458 \times 10^8$	2	<b>B1</b> for 345800000 soi Or <b>SC1</b> for $3.458 \times 10^8$ rot	

5	(a)		9	1		
	(b)		2.56 to $2.6 \times 10^8$	2	<b>B1</b> for 256000000 to 260000000 oe seen	