Question number		Answer	Notes	Marks
4	(a) (i	voltage = current × resistance;	allow standard symbols and rearrangements e.g. V = I × R ignore c, C for current	1
	(i	conversion of mA to A; substitution; evaluation;		3
			1400, 1410, 1411 (V) scores 2 marks	
		e.g. 83 ÷ 1000 = 0.083 V = 0.083 × 17		
		(V =) 1.4 (V)	allow 1.41, 1.411 (V)	
	(ii	i) 1.4 (V)	allow ecf from (ii) allow 1.41, 1.414 1.4136 (V) do not penalise not converting mA to A if already penalised in (ii)	1
	(i	evidence of addition of the two currents; 311 mA;	accept 0.311 A	2
	(b)	any three from: MP1. current decreases; MP2. (total) resistance increases; MP3. idea that total voltage is the same;	allow idea that each resistor gets a lower voltage (from	3
		MP4. reference to V=IR;	cell)	

Total for Question 4 = 10 marks