Question Number	Answer		Mark
12(a)	Uses ratio of resistances to p.d.s $V = 1.2$ V **OR** Use of $R = V/I$ $V = 1.2$ V **Example of calculation** $V = (\dfrac{55 \text{ k}\Omega}{12 \text{ k}\Omega + 55 \text{ k}\Omega}) \times 1.5 \text{ V} = 1.23 \text{ V}$	(1) (1) (1) (1)	**2**
12(b)	1 mark for each correct reason 1 mark for each explanation <table><tr><td>Reason</td><td>Explanation</td></tr><tr><td>Cell has (internal) resistance</td><td>Terminal/cell p.d. is lower **Or** lost volts</td></tr><tr><td>Resistance in wires/connections</td><td>Wires/connections have p.d. across them too.</td></tr><tr><td>Voltmeter has a "low" resistance **Or** voltmeter draws current</td><td>Resistance of parallel combination would be less than 55 kΩ (so p.d. would be lower)</td></tr></table>	(1)(1) (1)(1)	**4**
	Total for question 12		**6**