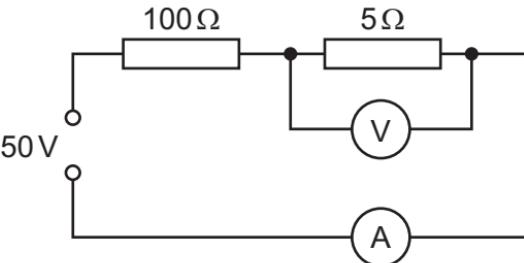


- 5 A power supply of electromotive force (e.m.f.) 50 V and negligible internal resistance is connected in series with resistors of resistance  $100\Omega$  and  $5\Omega$ , as shown.



A voltmeter measures the potential difference (p.d.) across the  $5\Omega$  resistor and an ammeter measures the current in the circuit.

What are suitable ranges for the ammeter and for the voltmeter?

	ammeter range/A	voltmeter range/V
<b>A</b>	0–0.1	0–1
<b>B</b>	0–0.1	0–3
<b>C</b>	0–1.0	0–1
<b>D</b>	0–1.0	0–3