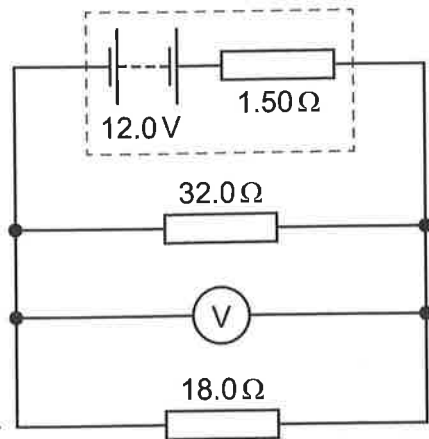


- 25 A battery with an e.m.f. of  $12.0\text{ V}$  and internal resistance of  $1.50\ \Omega$  is connected in parallel with resistors of resistance  $32.0\ \Omega$  and  $18.0\ \Omega$  as shown.



What is the reading on the voltmeter connected across the resistors?

- A**  $1.04\text{ V}$       **B**  $10.6\text{ V}$       **C**  $11.4\text{ V}$       **D**  $11.8\text{ V}$

- 26 A circuit contains six identical lamps connected in series. One of the lamps has a broken filament.