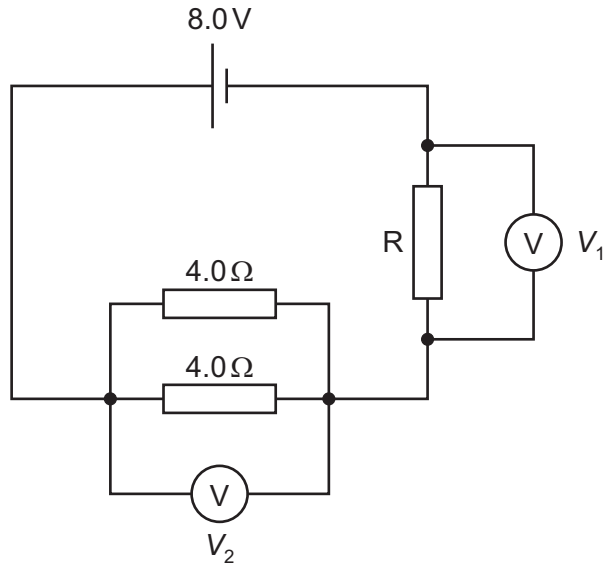


- 36** A cell has an electromotive force (e.m.f.) of 8.0 V and negligible internal resistance. The cell forms part of a circuit, as shown.



The reading V_1 is 4.0 V and the reading V_2 is also 4.0 V .

What is the resistance of resistor R ?

- A** $0.50\ \Omega$ **B** $2.0\ \Omega$ **C** $4.0\ \Omega$ **D** $8.0\ \Omega$