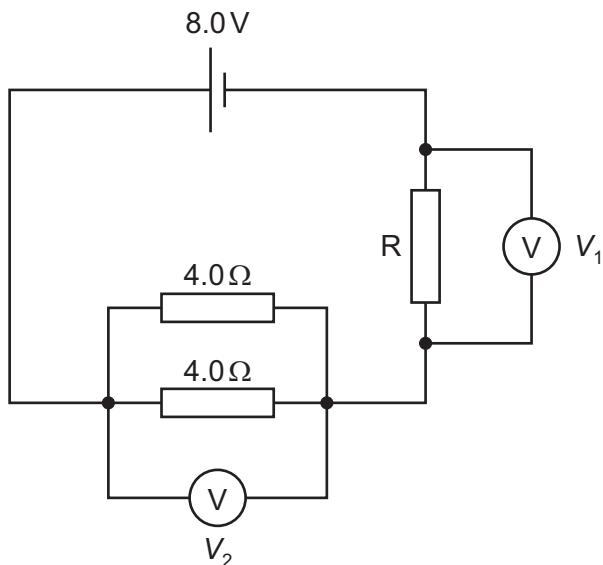


- 36** A cell has an electromotive force (e.m.f.) of 8.0 V and negligible internal resistance. The cell forms part of a circuit, as shown.



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** 0.50Ω **B** 2.0Ω **C** 4.0Ω **D** 8.0Ω