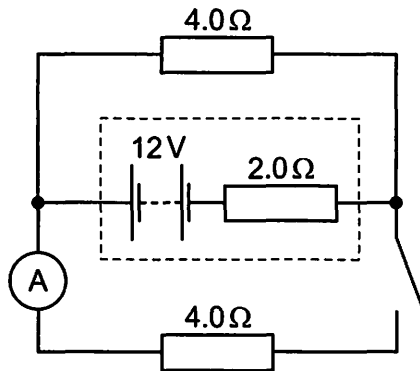


- 24 A 12 V battery, with an internal resistance of $2.0\ \Omega$, is part of a circuit containing two $4.0\ \Omega$ resistors, an ammeter of negligible resistance and a switch.



The switch is closed.

What will be the reading on the ammeter?

- A** 1.5 A **B** 2.0 A **C** 3.0 A **D** 6.0 A

- 25 The diagram shows two parallel resistors connected in series. The potential difference across the $12\ \text{V}$ source is 12 V.