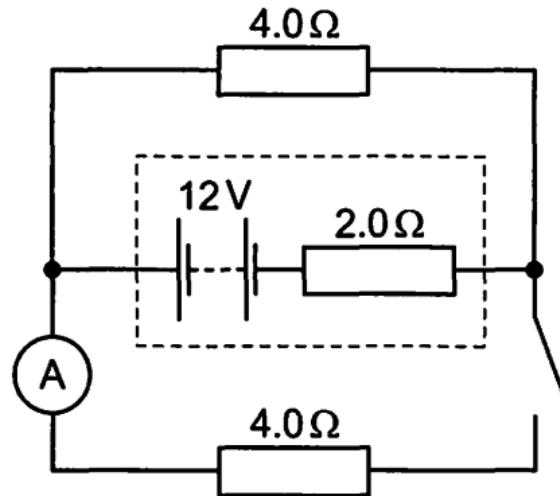


- 24 A 12 V battery, with an internal resistance of  $2.0\ \Omega$ , is part of a circuit containing two  $4.0\ \Omega$  resistors, an ammeter of negligible resistance and a switch.



The switch is closed.

What will be the reading on the ammeter?

A 1.5A

B 2.0A

C 3.0A

D 6.0A