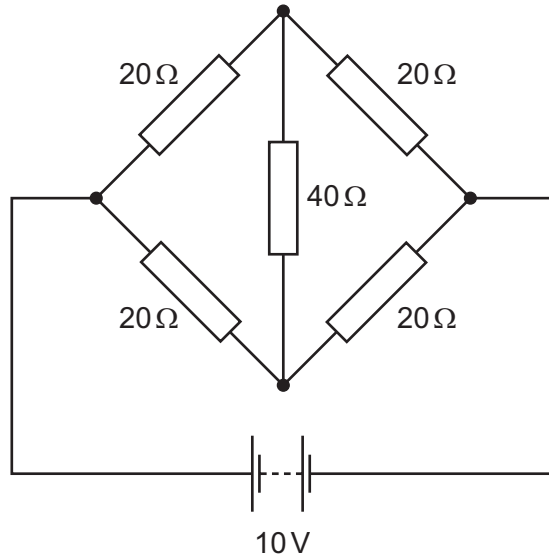


**37** What is the current in the  $40\Omega$  resistor of the circuit shown?



**A** zero

**B**  $0.13\text{A}$

**C**  $0.25\text{A}$

**D**  $0.50\text{A}$

**38** A battery of negligible internal resistance is connected to a resistor network, an ammeter and a