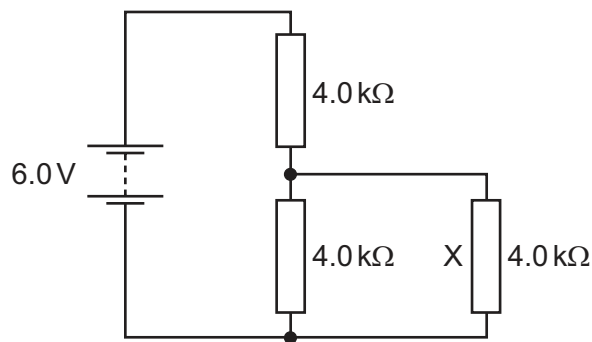


- 35** A battery of electromotive force (e.m.f.)  $6.0\text{ V}$  and negligible internal resistance is connected to three resistors as shown.



Each resistor has a resistance of  $4.0\text{ k}\Omega$ .

What is the current in resistor  $X$ ?

- A**  $0.25\text{ mA}$       **B**  $0.50\text{ mA}$       **C**  $0.75\text{ mA}$       **D**  $1.0\text{ mA}$