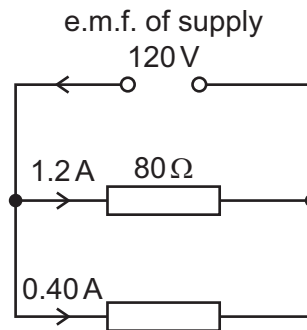


- 37** The electromotive force of a power supply is 120 V. It delivers a current of 1.2 A to a resistor of resistance $80\ \Omega$ and a current of 0.40 A to another resistor, as shown.



What is the internal resistance of the power supply?

- A** $15\ \Omega$ **B** $20\ \Omega$ **C** $60\ \Omega$ **D** $75\ \Omega$