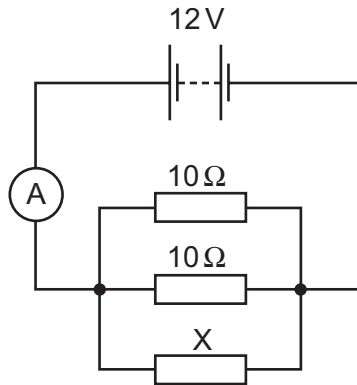


**35** The diagram shows a circuit containing three resistors in parallel.



The battery has e.m.f. 12V and negligible internal resistance. The ammeter reading is 3.2A.

What is the resistance of X?

**A**  $2.1\Omega$

**B**  $4.6\Omega$

**C**  $6.0\Omega$

**D**  $15\Omega$

**36** The e.m.f. of the battery is 9.0V. The reading on the high-resistance voltmeter is 7.5V.