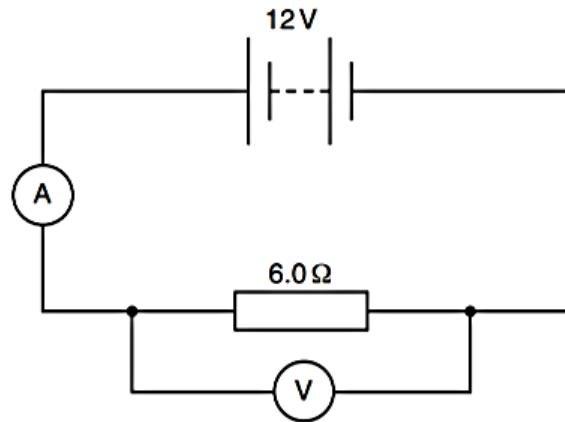


**23**

In the circuit shown, the battery is ideal but the ammeter and voltmeter are **not** ideal.



The ammeter reads 1.9 A while the voltmeter reads 11 V.

What are the resistances of the ammeter and voltmeter?

resistance of ammeter /  $\Omega$

resistance of voltmeter /  $\Omega$

**A**

0.32

170

**B**

0.32

8.3

**C**

0.53

170

**D**

0.53

8.3