

- 26** In an ideal transformer, the ratio of the secondary turns to the primary turns is 1:60. A 120 V a.c. source is connected to the primary coil and a  $3.0\ \Omega$  resistor is connected to the secondary coil.

What is the current in the primary coil?

**A** 0.011 A

**B** 0.67 A

**C** 2.0 A

**D** 40 A