

- 28** 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