

**30** The current in a component is reduced uniformly from 100 mA to 20 mA over a period of 8.0 s.

What is the charge that flows during this time?

**A** 160 mC

**B** 320 mC

**C** 480 mC

**D** 640 mC

**31** The sum of the electrical currents into a point in a circuit is equal to the sum of the currents out of