

- 1.1** If the current in an electric conductor is 2.4 A, how many coulombs of charge pass any point in a 30-second interval?

SOLUTION:

$$I = 2.4 \text{ A}, \Delta t = 30 \text{ s}$$

$$Q = I \Delta t$$

$$Q = 2.4 (30)$$

$$Q = 72 \text{ C}$$