

- 1.5 The current in a conductor is 1.5 A. How many coulombs of charge pass any point in a time interval of 1.5 min?

SOLUTION:

$$I = 1.5 \text{ A}, \quad \Delta t = 1.5 \text{ min}, \\ \Delta t = 90 \text{ s}$$

$$Q = I \Delta t$$

$$Q = 1.5 (90)$$

$$Q = 135 \text{ C}$$