## Answer on Question \#41123, Chemistry, Physical Chemistry

## Question

Compute the time required to pass 36000 C through an electroplating bath using.. 3 hr
2 hr
2 min
2.5 min

Answer
$q=I^{*} t$
$\mathrm{t}=\mathrm{q} / \mathrm{l}$
t (seconds) $=\mathrm{q}$ (Coulombs) $/ \mathrm{I}$ (Amperes)
$\mathrm{t}=36000 / \mathrm{l}$.

Since the value of the current I was not given in the question, we can't derive the answer. Just substitute your value of I in amperes to the last formula, then account for $1 \mathrm{~min}=60 \mathrm{~s}$ and for 1 $h=3600 \mathrm{~s}$.

