

Electricity Facts

Directions: Solve each problem below. Then write the answer in the blank to find out some interesting facts about electricity.

1.	$\begin{array}{r} 932 \\ + 963 \\ \hline \end{array}$	The world's first hydroelectric A.C. generating plant began operation at Niagara Falls, New York, in _____.
2.	$\begin{array}{r} 1288 \\ + 687 \\ \hline \end{array}$	One of the nation's largest water heating and cooling systems has been in operation since _____ at the George A. Towns Elementary School in Atlanta, Georgia.
3.	$100 \times 20 = \underline{\hspace{2cm}}$	"Solar One", a solar power test plant near Barstow, California, has _____ mirrors which reflect solar heat to a central receiver, producing steam to operate an electricity-producing turbine.
4.	$\begin{array}{r} 479 \\ - 359 \\ \hline \end{array}$	To make electricity, we must push electrons through a circuit. It takes pressure. We measure electric pressure in volts. The electric pressure in your home is probably _____ volts.
5.	$101 - \underline{\hspace{1cm}} = 66$	Ampere measures how much electricity is being pushed through a circuit. Some wires can safely carry _____ amperes.
6.	$100 \div 5 = \underline{\hspace{2cm}}$	Watt measures the amount of electric power we use using to run machines, light a lamp, etc. A small light bulb uses a little electric power, maybe it'll be a _____ watt bulb.
7.	$\begin{array}{r} 250 \\ \times 4 \\ \hline \end{array}$	Kilowatt is a large amount of electric power. One kilowatt = _____ watts. Big electric kitchen stoves can use 30 kilowatts of power.
8.	$\begin{array}{r} 258 \\ + 179 \\ \hline \end{array}$	In western Kentucky, there is a large fuel-powered steam generating plant. There are three _____ foot high cooling towers.
9.	$51 + \underline{\hspace{1cm}} = 66$	If a wire in your circuit carries as much as _____ amperes of electricity, then you need a fuse to protect your circuit of amperes.