

Electric_Part2

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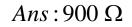
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A blue bulb has a resistance of 240 Ω when operating with a potential difference of 120 V across it. What is the current in the blue bulb?

Ans: 0.5 A



To produce an electric current of 10 mA across a 9 V alternators, how much resistance should be connected?





A 115-V stand fan is rated at 110 W. Find the current through the stand fan when it is operating.

Ans: 0.96 A



The sticker on a hair dryer says that it draws 28 A of current when powered by a 9 V battery.

- (i) What is the power of the hair dryer?
- (ii) Estimate the weekly cost of electricity if it operates 8 hours per day and the electric company charges 12 cents per kWh.

