Tea kettle

The rate of water evaporation is proportional to the power dissipated at the resistive element, namely i^2R. If i increases by a factor of 1.21, then power dissipation increases by a factor of $(1.21)^2 = 1.46$ (three significant figures), so the rate of water evaporation increases to (two significant figures)

$$1.46 \times (0.41 \text{ cup/min}) = 0.60 \text{ cup/min}.$$

⟦Note that there's no need to convert 0.41 cup/min to the SI units of liter/s. The ratio of 1.46 applies regardless of units.⟧

Grading: 2 points for "rate proportional to power"; 2 points for i^2R; 2 points for number; 2 points for two significant figures; 2 points for "cup/min" (either explicit or in text).