**EXAMPLE**

**What does it cost to use an iron for 15 minutes a day for a year?**

Let’s assume that the iron I have uses 1200 watts of power. Let’s also assume that my electric company charges 17¢ per kilowatt-hour.

1. Number of watts iron uses = 1200 watts
2. 1200 watts x 1.75 hours/week\* = 2100 watt-hours/week

 (answer to “a”)

1. 2100 watt-hours/week ÷ 1000 = 2.1 kilowatt-hours/week

 (answer to “b”)

1. 2.1 kilowatt-hours/week x 52 = 109.2 kilowatt-hours/year

 (answer to “c”)

1. 109.2 kilowatt-hours/year x $0.17 = $18.56/year

 (answer to “d”)

**Final answer:** It costs $18.56 per year to use the iron for 15 minutes each day.

\* How was this number calculated? The iron is used 15 minutes a day: 15 minutes x 7 days = 105 minutes.

 105 minutes ÷ 60 minutes/hour = 1.75 hours.