

***Answer Key: Lesson 4 Reading Resistors***

Remember to be looking at the corner of your auto ranging Multi Meter's readout for the different letters. "k" represents 1000 and "M" represents 1,000,000

1. You need to measure your own resistors. Then check to see if they are within 5% of the marked value.
2. A resistor marked Brown Black Red Gold can have a maximum value of 1050 ohms and minimum of 950 ohms.
3. Different reading for everyone, but should be between 100 k ohms and 1 M ohms. Why would the resistance decrease when asked an embarrassing question? Extra sweat! The salts let the electrons move easily.
4. (a) 10k ohms = 10,000 ohms (b) 1k ohms = 1000 ohms (c) .47k ohms = 470 ohms (d) 47k ohms = 47,000 ohms