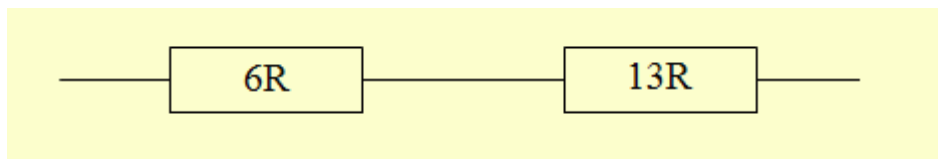


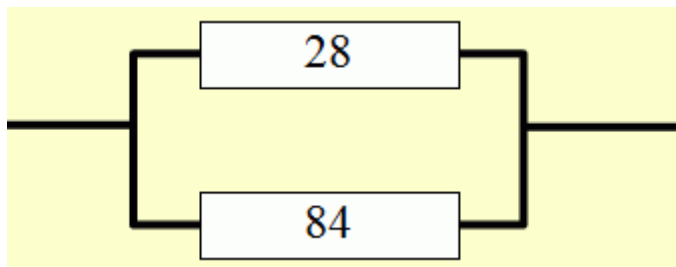
01 Resistor Test

Your Name:

1. 14.7 mA is flowing through a resistor. If the potential difference across the resistor is 10 Volts, calculate the resistance of the resistor.
2. What is the power dissipated by the resistor in question 1?
3. A 150 Ω resistor is in parallel with a 75 Ω resistor. Calculate the resistance of the parallel pair.
4. Three 24 Ω resistors are in series. Calculate the combined resistance of the three resistors.
5. A 12 Volt power supply is connected across these resistors. Calculate the potential difference across the 13 Ω resistor.

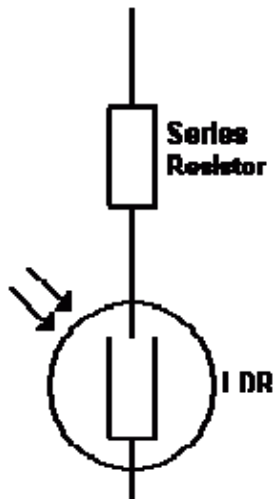


6. Are these resistors in series or parallel?



7. A resistor has the following colour bands: Yellow, Violet, Orange, Gold. What is the value of the resistor?
8. What is the tolerance of the resistor in question 7?

9. As the light level increases, how does the potential difference across the LDR change?



10. As the temperature decreases, what happens to the potential difference across the thermistor?

