## MR CIRCUIT LAB #1201

With

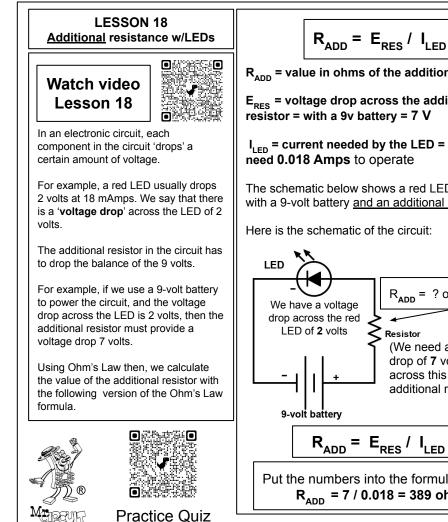
With

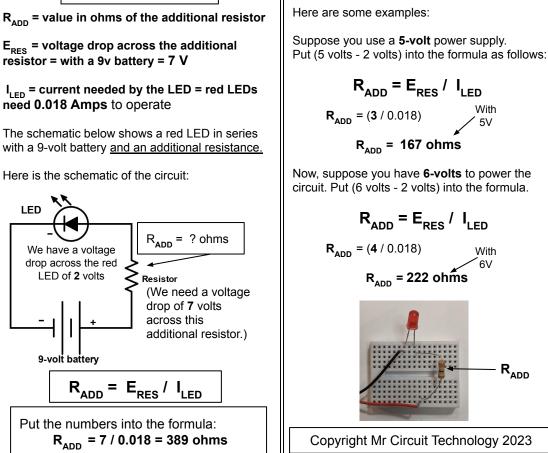
 $R_{ADD}$ 

/ 5V

What about if you use a different voltage, other

than 9 volts, to power the red LED?





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Answer these questions	Activity Page	Additional resistance with LEDs	18b
(1) If you have a red LED and you have a 12 volt power source, how much additional resistance do you need so that the LED will light up and not burn out?			
Ohms			
(2) Draw a schematic showing the circuit with the red LED, the additional resistor and 12-volt power source.			
Use the multicell battery symbol for your 12-volt power supply.			
Label the resistor with the value you calculated in question #1.	#1. Res = 10/.018 = 556 ohms		No.
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