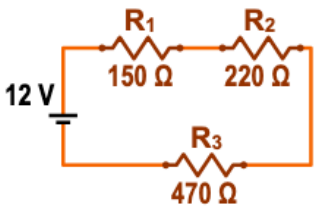
Series and parallel connections

A. Considering the following circuit, complete the table:

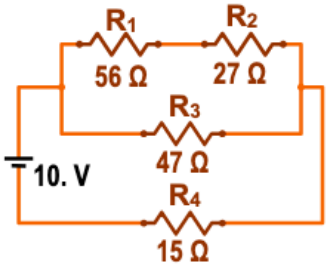


	R_1	R_2	R_3	R_{TOTAL}
Voltage (V)				12
Current (A)				
Resistance (Ω)	150	220	470	
Power (W)				

B. Considering the following circuit, complete the table:

	R_1	R_2	R_3	R_{TOTAL}
Voltage (V)				15
Current (A)				
Resistance (Ω)	120	180	270	
Power (W)				

C. Considering the following circuit, complete the table:



	R_1	R_2	R_3	R_4	R_{TOTAL}
Voltage (V)					10
Current (A)					
Resistance (Ω)	56	27	47	15	
Power (W)					

D. Twenty resistors, each with a resistance of 22 Ω, are connected in series. What is the total resistance?

E. Ten resistors, each with a resistance of 1000 Ω, are connected in parallel. What is the total resistance?