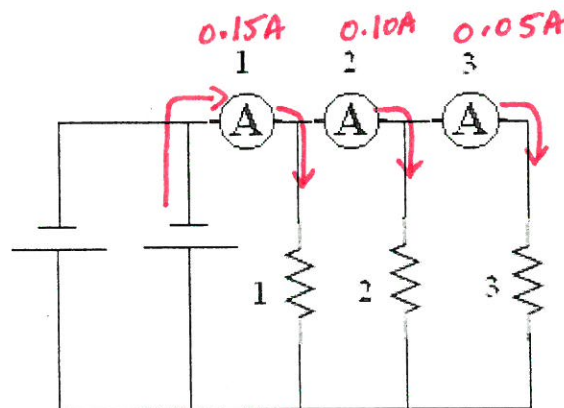


1. Determine the total current for the circuit below (It) 0.15 A
2. Calculate the total voltage (Vt) for the circuit below. 4.5 V
3. Calculate the resistance for each resistor. 90 Ω 90 Ω 90 Ω
4. Determine the voltage drop across R1. 4.5 V
5. Show the direction of e- flow in the circuit (clockwise or counter-clockwise)



$R_T = 30 \text{ Ohms}$

$A_1 = 0.15 \text{ A}$

$A_2 = 0.10 \text{ A}$

$A_3 = 0.05 \text{ A}$

$$V_T = I_T \times R_T$$

$$V_T = 0.15 \text{ A} \times 30 \Omega$$

$$V_T = 4.5 \text{ V}$$

$$R_3 = \frac{V_T}{I_3} = \frac{4.5 \text{ V}}{0.05 \text{ A}}$$

$$R_3 = 90 \Omega = R_2 = R_1$$

Each path HAS equal current, so all resistors are the SAME.