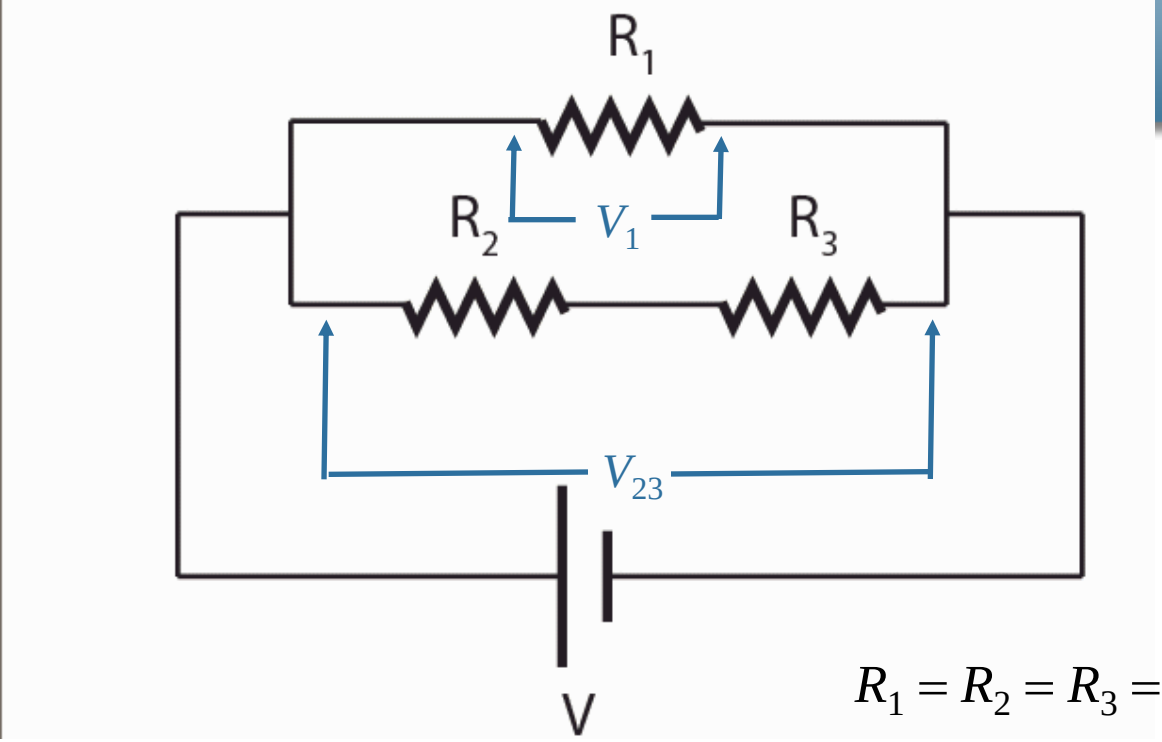
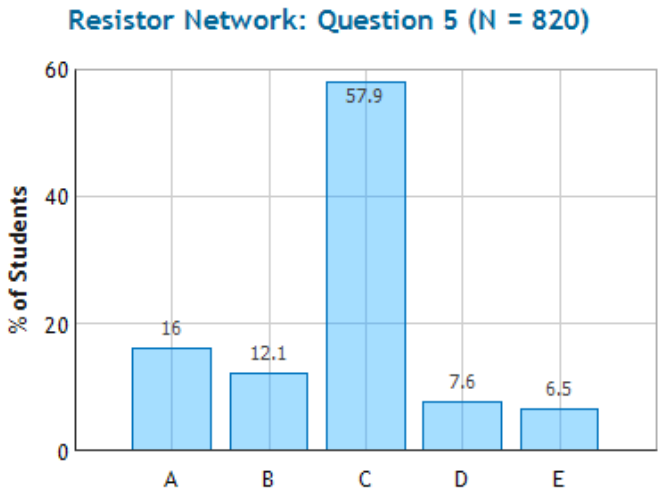


$$R_1 = R_2 = R_3 = R$$



CheckPoint 2d

Compare the voltage across R_1 with the voltage across R_2

A $V_1 = V_2 = V$

B $V_1 = ½\ V_2 = V$

C $V_1 = 2V_2 = V$

D $V_1 = ½\ V_2 = 1/5\ V$

E $V_1 = ½\ V_2 = ½\ V$

R_1 in parallel with series combination of R_2 and R_3

$$V_1 = V_{23}$$

$$R_2 = R_3 \Rightarrow V_2 = V_3$$

$$V_{23} = V_2 + V_3 = 2V_2$$

$$V_1 = 2V_2 = V$$