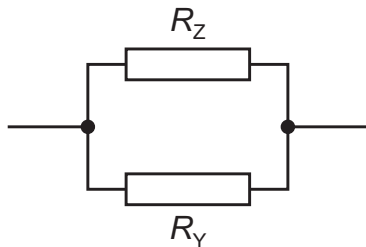


- 28 A teacher asks three students to write down an equation to determine the combined resistance  $R_C$  of resistors with resistances  $R_Y$  and  $R_Z$ .



Which students are correct?

student 1  $\frac{1}{R_C} = \frac{1}{R_Y} + \frac{1}{R_Z}$

student 2  $\frac{1}{R_C} = \frac{1}{R_Y + R_Z}$

student 3  $R_C = \frac{1}{R_Y} + \frac{1}{R_Z}$

**A** 1 and 2

**B** 1 only

**C** 2 and 3

**D** 3 only