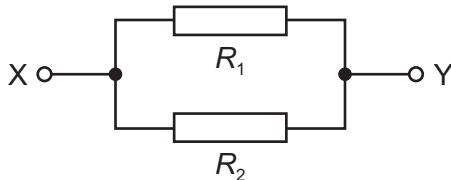


**36** Two resistors of resistances  $R_1$  and  $R_2$  are connected in parallel.



What is the combined resistance between X and Y?

**A**  $R_1 + R_2$

**B**  $\frac{R_1 R_2}{R_1 + R_2}$

**C**  $\frac{R_1 + R_2}{R_1 R_2}$

**D**  $\frac{R_1}{R_2}$

**37** A voltmeter is used to monitor the operation of an electric motor. The motor speed is controlled