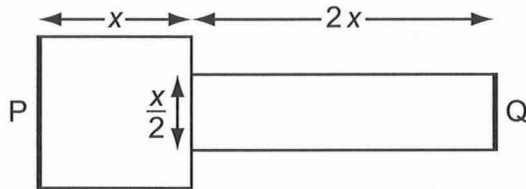A thin square sheet of metal of uniform thickness and of side x has a resistance of 4.0 Ω measured between opposite edges. It is connected to another sheet of the same metal of the same thickness but of length $2x$ and width $\frac{x}{2}$.

What is the resistance between edges P and Q?

A 8 Ω   **B** 12 Ω   **C** 16 Ω   **D** 20 Ω