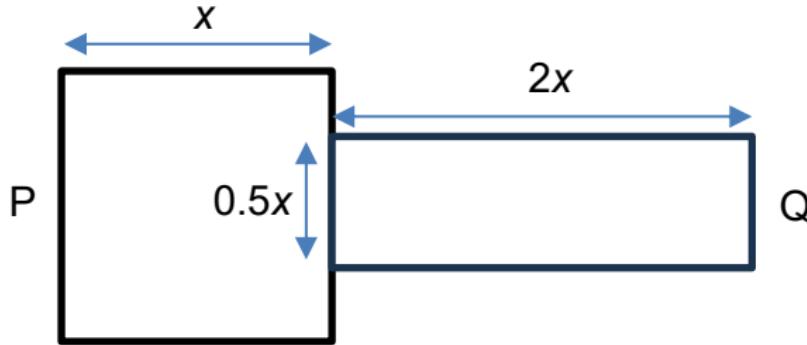


- 21 A thin square sheet of metal of uniform thickness and of side x has a resistance of 4.0Ω measured between opposite edges. It is connected to another sheet of the same metal of the same thickness but of length $2x$ and width $0.5x$.



What is the resistance between edges P and Q?

A 8Ω

B 12Ω

C 16Ω

D 20Ω

- 22 Two parallel conductors carry equal sinusoidal alternating currents which are in phase. The