

- 28** A sinusoidal voltage supply at 50 Hz connected across a resistor of $200\ \Omega$ delivers a peak current of 2.0 A. The frequency of the supply is doubled to 100 Hz.

What is the mean power dissipated in the resistor at the higher frequency?

- A** 200 W **B** 400 W **C** 800 W **D** 1600 W