

- 12** The total energy of a mass which undergoes simple harmonic motion on a vibrating platform is 18 mJ.

The amplitude of the oscillation is now doubled and the period of oscillation is tripled.

What is the new total energy of the mass?

- A** 0.89 mJ      **B** 8.0 mJ      **C** 72 mJ      **D** 650 mJ