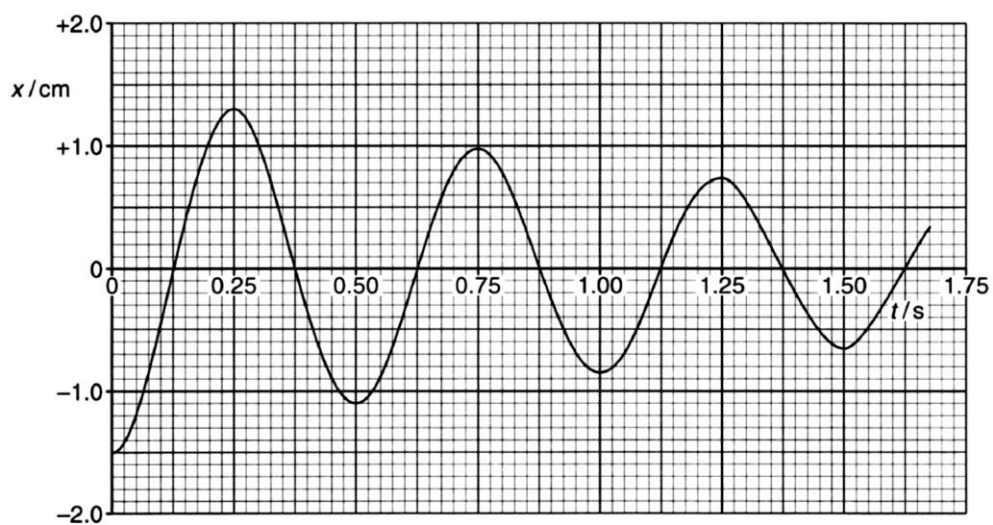


- 15 An object of mass 500 g floats on water and oscillates vertically. Its vertical displacement x varies with time t as shown.



What is the decrease in energy of the oscillations during the first 1.50 s?

- A $2.9 \times 10^{-3} \text{ J}$
- B $4.6 \times 10^{-3} \text{ J}$
- C $7.2 \times 10^{-3} \text{ J}$
- D $8.3 \times 10^{-3} \text{ J}$

[Turn over