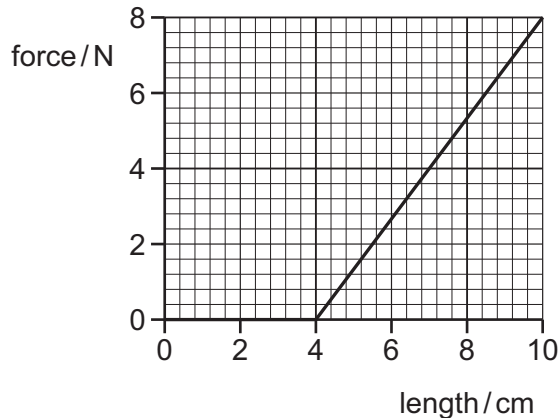
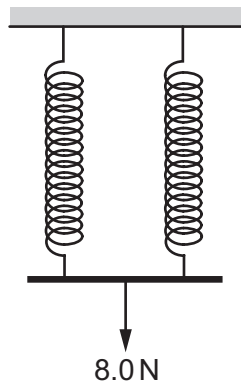


**20** Two identical springs are connected in parallel.

A weight of  $8.0\text{ N}$  is hung from the combination, as shown.



The graph shows the variation with length of the force applied to **one** of the springs.

What is the strain energy in **one** of the springs?

**A**  $0.060\text{ J}$

**B**  $0.12\text{ J}$

**C**  $0.14\text{ J}$

**D**  $0.24\text{ J}$