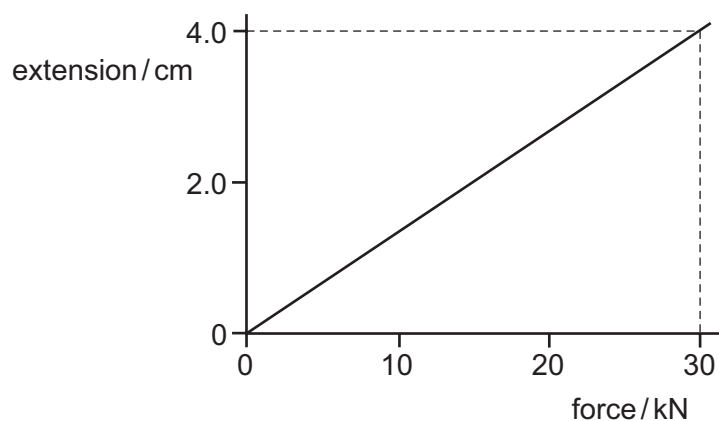
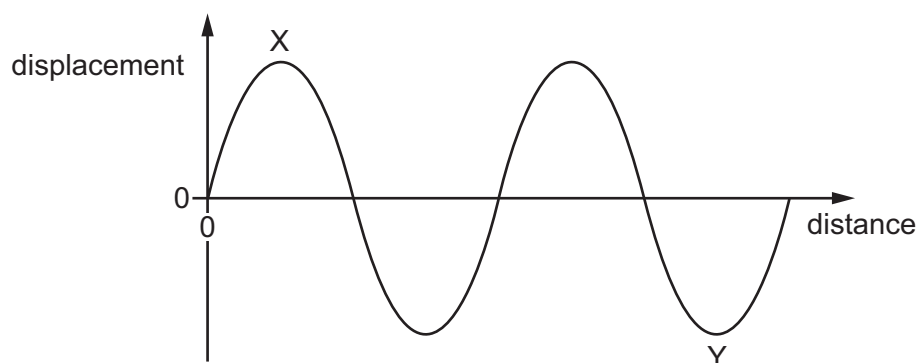


- 19 The graph shows how the extension of a spring varies with the force used to stretch it.



What is the strain energy in the spring when the extension is 4.0 cm?

- A** 60 J **B** 120 J **C** 600 J **D** 1200 J
- 20 The displacement-distance graph for a transverse progressive wave is shown.



The phase difference between points X and Y can be expressed as $(180n)^\circ$.

What is the value of n ?

- A** 1.5 **B** 2.5 **C** 3.0 **D** 6.0