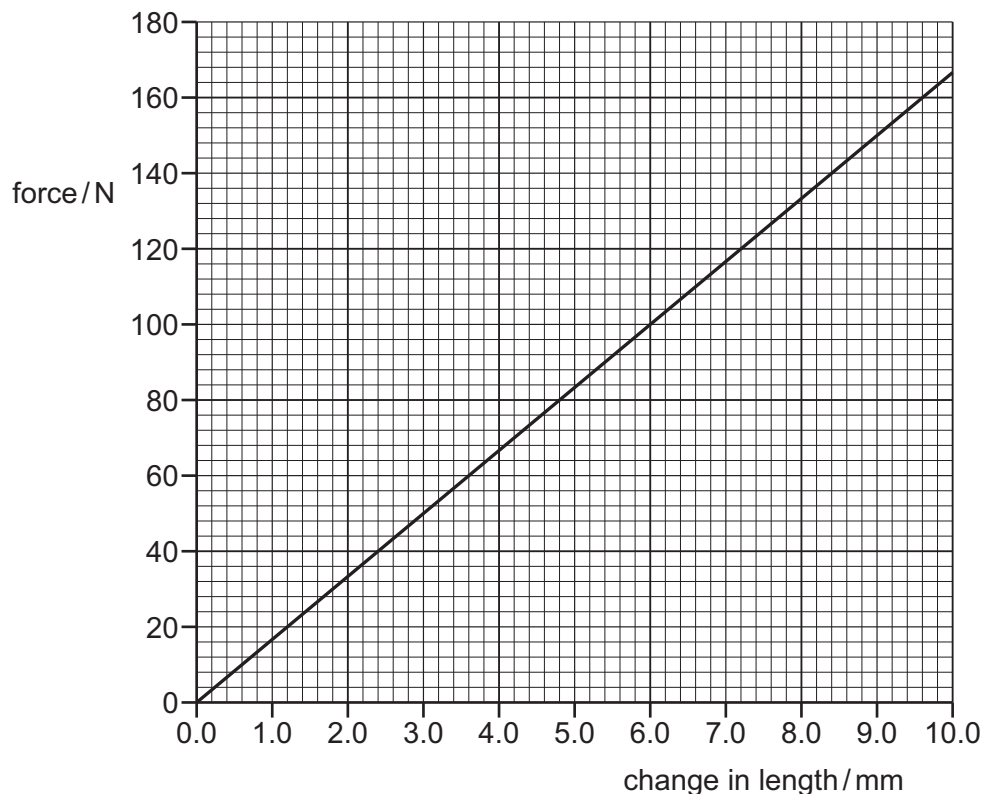


- 21** The graph shows the relationship between force acting on a compression spring and change in length of the spring.



One of these springs is placed in each corner of a horizontal square plate. The axis of each spring is in a vertical direction. These four springs support a total load of 160 N.

What is the total elastic potential energy stored in the four springs?

- A** 0.048 J **B** 0.19 J **C** 0.38 J **D** 0.77 J