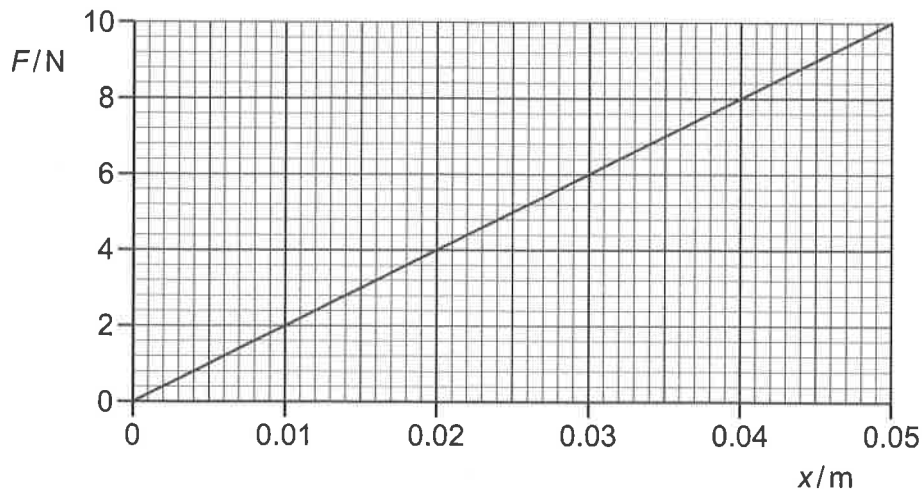


**12** The graph shows the variation with extension  $x$  of the load  $F$  on a spring.



A load of 6.0 N is placed on the spring.

How much additional elastic potential energy will be stored in the spring if it is then extended a further 0.010 m?

**A** 0.01 J

**B** 0.07 J

**C** 0.080 J

**D** 0.16 J

