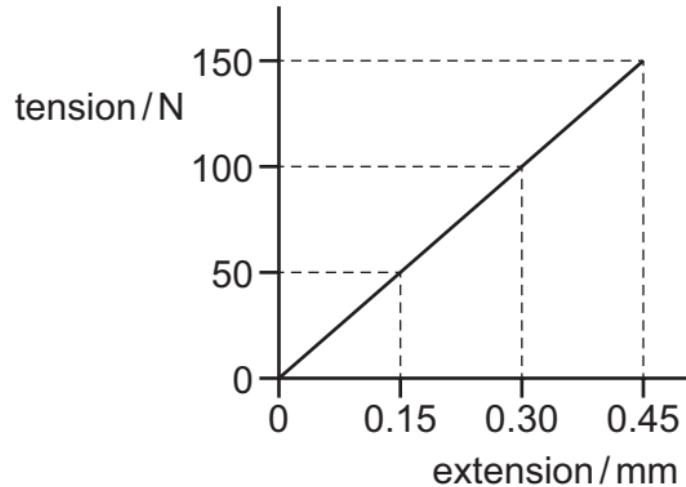
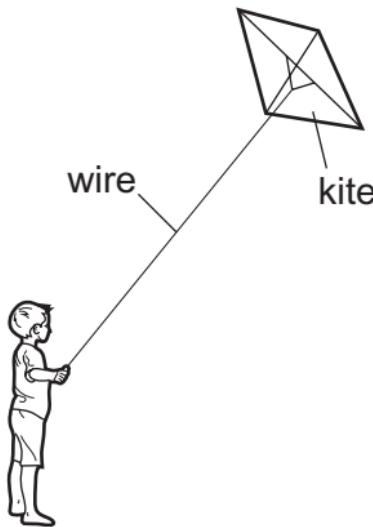


- 19 A child holds a thin metal wire that is attached to a kite. The graph shows how the extension of the wire varies with its tension.



A gust of wind increases the tension from 100 N to 150 N.

What is the change in the elastic potential energy of the wire caused by the gust of wind?

A 3.8 mJ

B 19 mJ

C 34 mJ

D 38 mJ