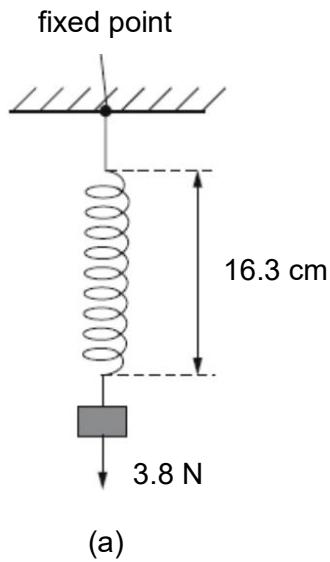
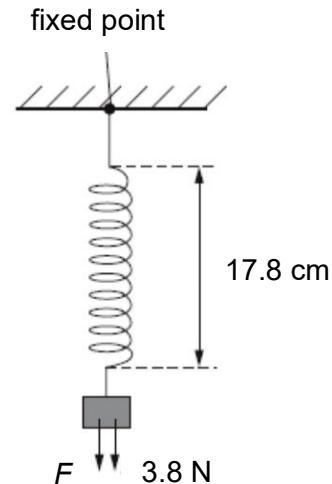


- 7 A mass of weight 3.8 N is suspended on a spring of unstretched length 14.2 cm and spring constant 181 N m^{-1} . The length of the spring is 16.3 cm as shown in (a).

An additional force F then extends the spring so that its length becomes 17.8 cm as shown in (b).



(a)



(b)

What is the work done by F ?

- | | |
|------------------|------------------|
| A 0.057 J | B 0.020 J |
| C 0.077 J | D 0.13 J |