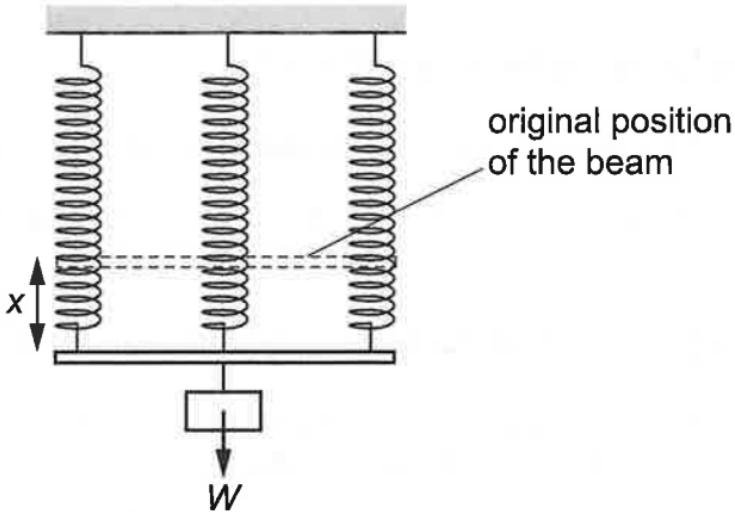


- 5 A beam of negligible weight is supported by three identical springs. When a weight W is hung from the middle of the beam, the extension of each spring is x .



The middle spring and the weight are removed.

What is the extension when a weight of $2W$ is hung from the middle of the beam?

A $\frac{3x}{2}$

B $\frac{4x}{3}$

C $2x$

D $3x$