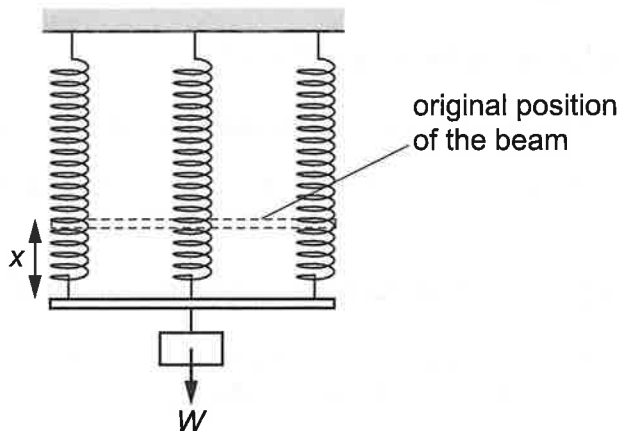


- 5 A beam of negligible weight is supported by three identical springs. When a weight W is hung from the middle of the beam, the extension of each spring is x .



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** $3x$