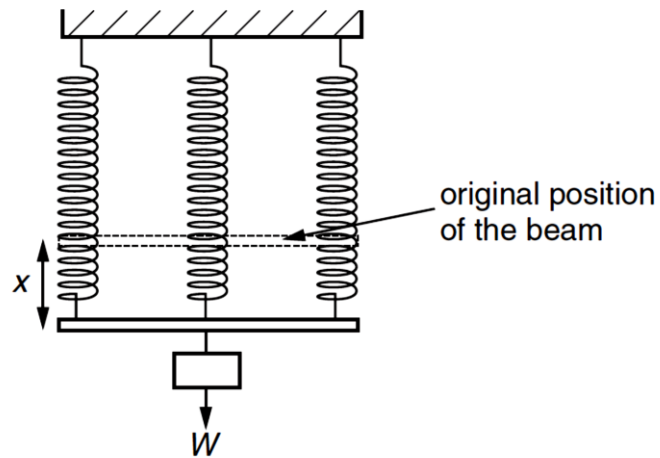


- 7 A beam, the weight of which may be neglected, is supported by three identical springs. When a weight W is hung from the middle of the beam, the extension of each spring is x .



The middle spring and the weight is removed.

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

- A** $\frac{4x}{3}$ **B** $\frac{3x}{2}$ **C** $2x$ **D** $3x$