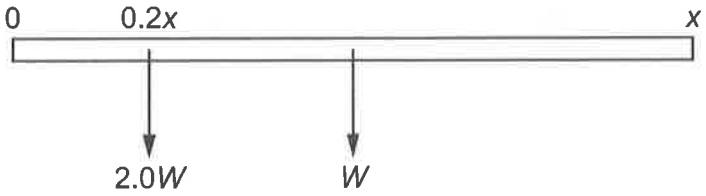
10 A uniform rod of length x and weight W has a load $2.0W$ suspended a distance $0.2x$ from one end.



A string is attached to the rod such that the rod is suspended in equilibrium.

The load is now moved so that it is a distance $0.2x$ from the other end of the rod.

How far along the rod does the string need to be moved so that the rod returns to equilibrium?

A $0.2x$ **B** $0.3x$ **C** $0.4x$ **D** $0.6x$