8 Two springs labelled spring 1 and spring 2 are supporting a load of 80 N as shown.
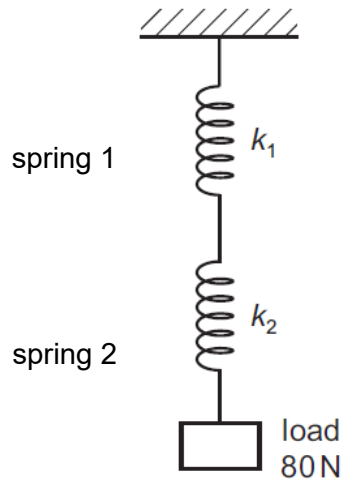
Spring 1 has an elastic constant $k_1 = 4$ kN m^{-1} and spring 2 has an elastic constant $k_2 = 2$ kN m^{-1}.

What is the ratio

$\dfrac{\text{elastic potential energy stored in the spring 1}}{\text{elastic potential energy stored in the spring 2}}$?

A 4:1   **B** 2:1   **C** 1:4   **D** 1:2