

20 A spring balance consists of a spring of length 20.0 cm with a hook attached.

When a fish of mass 3.0 kg is suspended from the hook, the new length of the spring is 27.0 cm.

What is the spring constant of the spring?

A 4.2 N m^{-1}

B 43 N m^{-1}

C 110 N m^{-1}

D 420 N m^{-1}