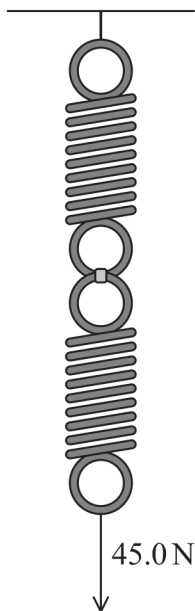


- 10 Two identical springs are arranged in series. A force of 45.0 N is applied to the springs, as shown.



The springs extend a total distance of 15 mm.

Which of the following expressions gives the stiffness of each spring in  $\text{N mm}^{-1}$ ?

- ☐ A  $\frac{15}{2 \times 45}$
- ☐ B  $\frac{45}{2 \times 15}$
- ☐ C  $\frac{2 \times 15}{45}$
- ☐ D  $\frac{2 \times 45}{15}$

(Total for Question 10 = 1 mark)