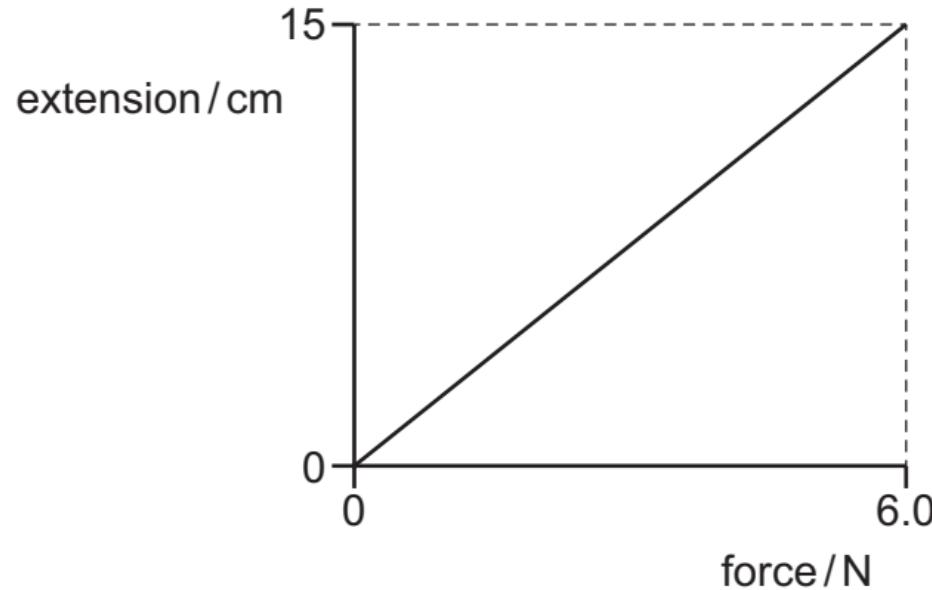


**20** An extension–force graph for a spring is shown.



What is the spring constant of the spring?

- A**  $0.025\text{ N m}^{-1}$
- B**  $0.40\text{ N m}^{-1}$
- C**  $2.5\text{ N m}^{-1}$
- D**  $40\text{ N m}^{-1}$

**21** A student places a small mass on a horizontal surface. A little later he finds