

- 1** A period  $T$  of a type of pendulum is given by

$$T = 2\pi \sqrt{\frac{I}{K}}$$

If  $I$  has a unit of  $\text{kg m}^2$ , which of the following can be a unit of  $K$ ?

**A**  $\text{N m}$

**B**  $\text{N m}^{-1}$

**C**  $\text{kg m}^2$

**D**  $\text{s}^{-2}$