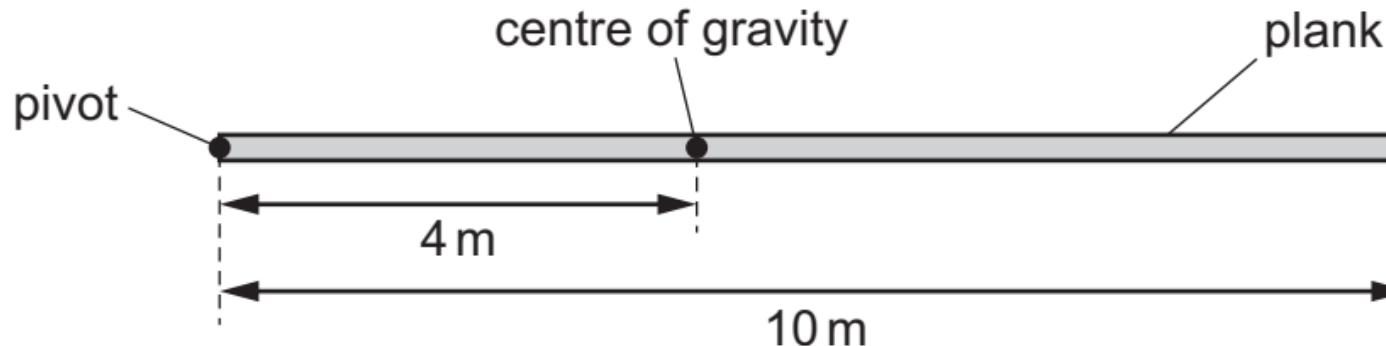


11 A horizontal wooden plank is pivoted at one end, as shown.



The plank has a mass of 100kg and a length of 10m. The centre of gravity of the plank is a distance of 4m from the pivot.

What is the moment of the weight of the plank about the pivot?

- A** $4 \times 10^2 \text{ Nm}$
- B** $5 \times 10^2 \text{ Nm}$
- C** $4 \times 10^3 \text{ Nm}$
- D** $5 \times 10^3 \text{ Nm}$