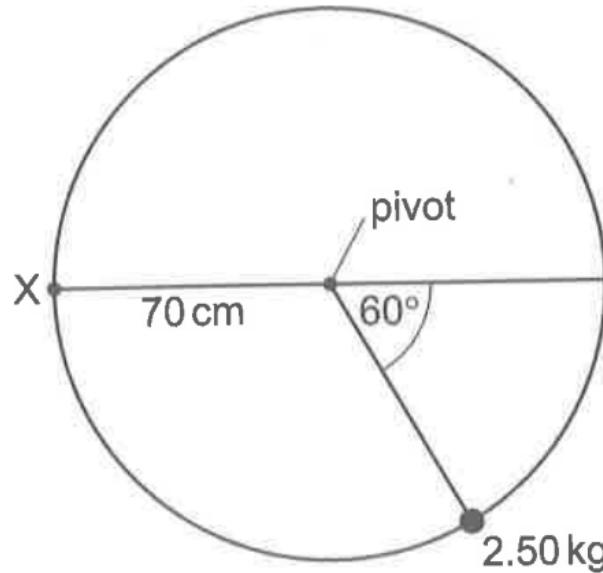


- 9 A uniform circular disc of radius 70 cm is pivoted at its centre. The plane of the disc is vertical. A 2.50 kg mass is attached to the disc as shown.



Which mass must be attached to the disc at X in order to keep it in equilibrium?

- A 1.25 kg B 1.79 kg C 2.17 kg D 5.00 kg

- 10 A lorry of mass 3000 kg pulls a trailer of mass 1000 kg with an acceleration of 2.0 ms^{-2} .