

A cantilever beam (aka diving board) has a mass of 1200kg. Find the force from each support if one is 3.4m from the end of the board and the second is 4.6m from the end.





A uniform beam 2.20 m long with a mass of 25.0 kg is mounted on a hinge and supports a 42.0 kg mass as shown. Determine the components of the force,  $F$ , on the hinge, and the Tension,  $T$ , in the wire.





