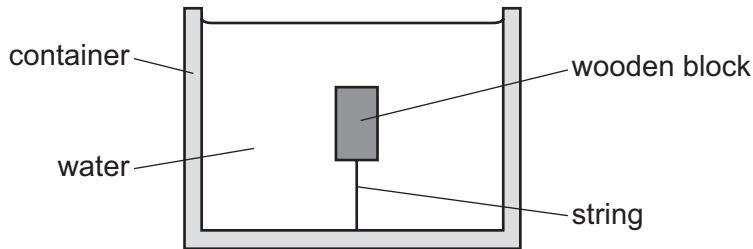


- 14 A wooden block is held stationary in a container of water using a string that is attached to both the wooden block and the bottom of the container.



The wooden block has mass m and volume V . The water has density ρ . The acceleration of free fall is g .

What is the magnitude of the force acting on the block due to the tension in the string?

- A** ρgV **B** $mg + \rho gV$ **C** mg **D** $\rho gV - mg$

- 15 A small object is suspended from a fixed point by a string of length 0.41 m. It is released from rest at an angle of 60° to the vertical.