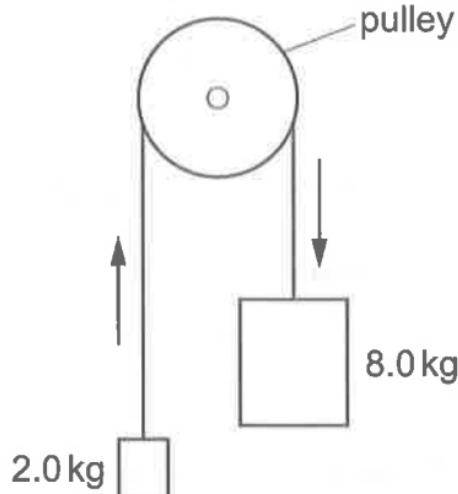


- 7 Masses of 8.0 kg and 2.0 kg hang from a light inextensible cord passing over a pulley.



The pulley exerts friction on the cord that is equivalent to a force of 3.0 N at the circumference.

When the masses are released they move in the direction of the arrows.

What is their acceleration?

- A 5.6 ms^{-2} B 5.9 ms^{-2} C 6.2 ms^{-2} D 9.3 ms^{-2}

- 8 A horizontal jet of water strikes a vertical wall and the water then flows down the wall without