

Practice Problem 2

In the Atwood's machine shown, Block 1 has a mass of 430 g and the Block 2 has a mass of 200 g. The pulley has a radius of 5.0 cm and a mass of 30 g. There is also a frictional torque in the pulley of $0.08 \text{ N}\cdot\text{m}$.

What is the acceleration of the blocks?

What are the tensions on each side of the pulley?

