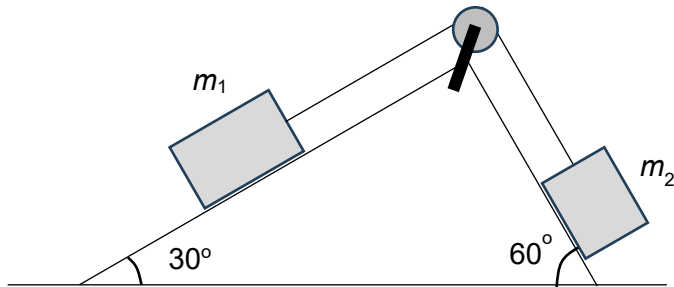


- 7 Two blocks of masses $m_1 = 4.0$ kg and $m_2 = 1.0$ kg are connected by a cord of negligible mass that passes over a frictionless pulley of negligible mass. The blocks slide on frictionless planes inclined at angles $\theta_1 = 30^\circ$ and $\theta_2 = 60^\circ$.



What is the tension in the cord?

A 2.3 N

B 5.8 N

C 8.0 N

D 10.7 N

- 8 Two steel balls A and B of masses $2M$ and $1M$ respectively move towards each other with the