

Question #68546, Physics / Other

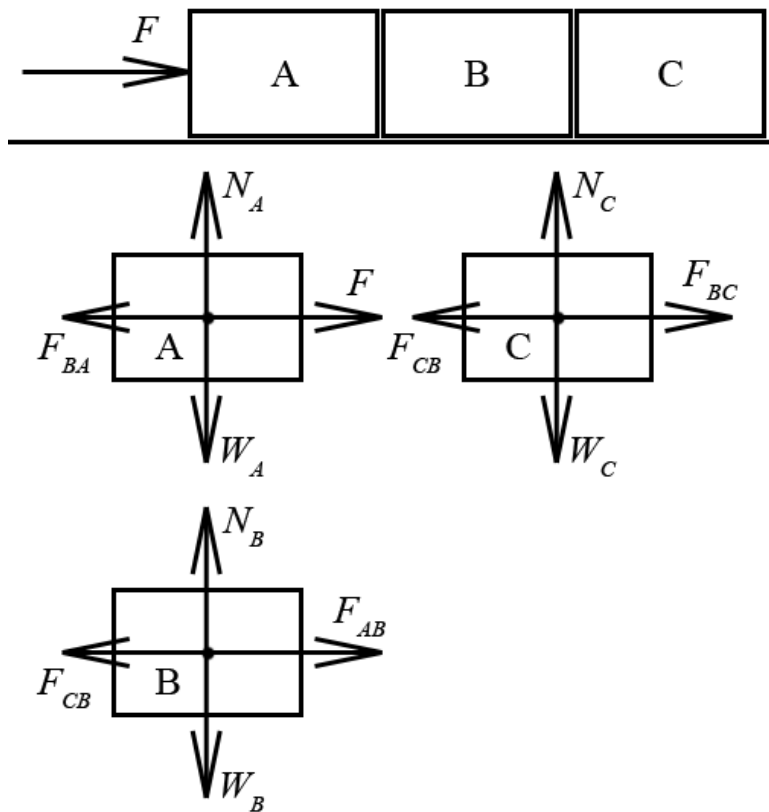
Three blocks on a frictionless horizontal surface are in contact with each other . A force F is applied to applied to block A (mass m_1).

(a) Draw a free – body diagram for each block

(b) The acceleration of the system (in terms of m_1, m_2, m_3)

Solution

(a)



(b)
$$a = \frac{F}{m_1 + m_2 + m_3}$$

Answer provided by <https://www.AssignmentExpert.com>