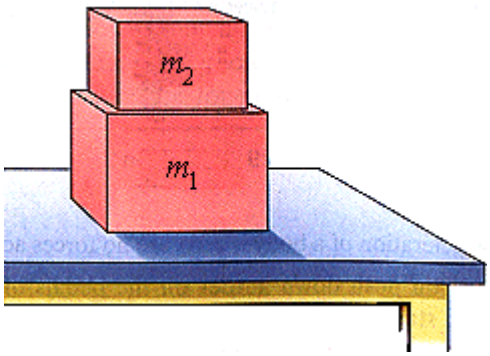
5. A 28.5 kg box (m_1) rests on a table. A 13.5 kg box (m_2) is placed on top of the 28.5 kg box, as shown.



   A. Determine the normal (supporting) force that the table exerts on the 28.5 kg (m_1) box.

   B. Determine the normal (supporting) force that the 28.5 kg box exerts on the 13.5 kg (m_2) box.