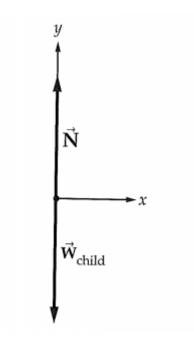
## Answer on Question #56443-Physics-Other

A 9.3 kg child sits on a 3.7 kg chair her feet do not touch the ground how do i draw a free-body diagram for the child and the normal force exerted by the chair on the child

## Solution



 $\overrightarrow{N}$  is the normal force exerted by the chair on the child,  $\overrightarrow{W_{child}}$  is the weight of the child.

The normal force exerted by the chair on the child is

$$N = W_{child} = m_{child}g = 9.3 \text{ kg} \cdot 9.8 \frac{\text{m}}{\text{s}^2} = 91 \text{ N}.$$

http://www.AssignmentExpert.com/