

$$\begin{aligned} \frac{1}{7} \quad W &= (130 \text{ lb}) \left(\frac{4.4482 \text{ N}}{\text{lb}} \right) = \underline{578 \text{ N}} \\ m &= \frac{W}{g} = \frac{130}{32.2} = \underline{4.04 \text{ slugs}} \\ m &= \frac{W}{g} = \frac{578}{9.81} = \underline{58.9 \text{ kg}} \end{aligned}$$

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