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1/1 For a 180-16 person:  

$$W = mg$$
: 180 16 = m (32.2 ft/sec<sup>2</sup>)  
 $m = \frac{5.59 \text{ slugs}}{160 \text{ lb}}$   
 $W = mg$ : 801 N = m (9.81 m/s<sup>2</sup>)  
 $m = 81.6 \text{ kg}$ 

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