(a)
$$m = \frac{36}{3} = \frac{3600}{32.2} = \frac{111.8 \text{ solvey}}{111.8 \text{ solvey}}$$

(b) $W = 3600 \text{ to } \left[\frac{4.4462 \text{ to }}{16} \right] = 16.010 \text{ N}$
(c) $m = \frac{36}{3} = \frac{16.010}{3.61} = 1632 \text{ kg}$
(or $m = 111.8 \text{ slags} \left[\frac{14.534 \text{ kg}}{6.03} \right] = 1632 \text{ kg}$

112 For a 180-16 person:

$$W = mg : 180 = m (32.2 felse)$$
 $m = 5.59 \text{ slags}$
 $180 = (4.4482 N) = 801 N$
 $W = mg : 801 N = m (281 m/s^2)$
 $m = 81.6 kg$

The weight of an average apple is
$$\frac{51k}{51k}$$
 = 0.417 lb.

W = 12apres = 0.417 lb.

Mass in slogs is $m = \frac{3}{3} = \frac{0.417}{32.2} = 0.00214 slogs$

Mass in ky is $m = 0.01214 slogs \left(\frac{14.514 kg}{1.51g}\right)$

= 0.1888 kg.

Weight in N is W = $mg = 0.1888 (9.8) = 1.853 N$

These apples weigh closer in 2 N each Than to the rule of 1 N each 1

mg = 0.1 mg,

$$\frac{R^2}{(R+h)^2} g_0 = 0.1g_0$$
Solve for h to obtain h = 2.16R

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Kenneth Hummel

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