

1/4 The weight of an average apple is

$$W = \frac{5 \text{ lb}}{12 \text{ apples}} = 0.417 \text{ lb}$$

$$\text{Mass in slugs is } m = \frac{W}{g} = \frac{0.417}{32.2} = \underline{0.01294 \text{ slugs}}$$

$$\text{Mass in kg is } m = 0.01294 \text{ slugs} \left( \frac{14.594 \text{ kg}}{1 \text{ slug}} \right) \\ = \underline{0.1888 \text{ kg}}$$

$$\text{Weight in N is } W = mg = 0.1888 (9.81) = \underline{1.853 \text{ N}}$$

These apples weigh closer to 2 N each than to the rule of 1 N each!