Exercise 67

Is a 197-lb weight lifter light enough to compete in a class limited to those weighing 90 kg or less?

Solution

Convert pounds to kilograms by multiplying by the appropriate conversion factor. Start with 197 lb, the given quantity.

$$197 \text{ lb} = 197 \text{ lb} \times \frac{1 \text{ kg}}{2.2046 \text{ lb}} \approx 89.4 \text{ kg}$$

The weight lifter is light enough to compete.