



Worked Examples

1. Calculate the total mass of 3 boxes (in kilograms), if the following weights are given:

▶ Box A: 4 500 g ▶ Box B: 1,2 tons ▶ Box C: 3,8 kg

$$4\,500\text{ g} = 4\,500 \div 1\,000 = 4,5\text{ kg}$$

$$1,2\text{ tons} = 1,2 \times 1\,000 = 1\,200\text{ kg}$$

$$\begin{aligned}\therefore \text{total mass} &= 4,5\text{ kg} + 1\,200\text{ kg} + 3,8\text{ kg} \\ &= 1\,208,3\text{ kg}\end{aligned}$$

2. Barbara buys 780 g of bananas. Determine the total cost, if bananas are charged at R3,99/kg

$$\begin{aligned}780\text{ g} &= 780 \div 1\,000 \\ &= 0,78\text{ kg}\end{aligned}$$

$$\begin{aligned}\therefore \text{total cost} &= 0,78\text{ kg} \times R3,99 \\ &= R3,11\end{aligned}$$