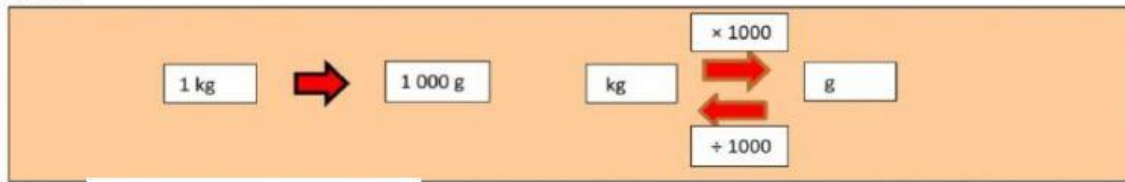


MATHEMATICS YEAR 5
MEASUREMENT

5.2 : MASS (SUBTRACTION OF MASS)

NOTES



SOLUTION

$\frac{1}{4} \text{ kg} - 0.1 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

Cara 1

$$\frac{1}{4} \text{ kg} - 0.1 \text{ kg} = (\frac{1}{4} \times 1\,000) \text{ g} - (0.1 \times 1\,000) \text{ g}$$

$$= 250 \text{ g} - 100 \text{ g}$$

$$= \underline{150 \text{ g}}$$

Cara 2

Tukar $\frac{1}{4}$ kg
kepada
perpuluhan kg
dahulu.

$$\begin{array}{r} 0.25 \text{ kg} \\ 4 \overline{) 1.00 \text{ kg}} \\ \underline{- 0} \\ 10 \\ \underline{- 8} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

$$\frac{1}{4} \text{ kg} - 0.1 \text{ kg} = 0.25 \text{ kg} - 0.10 \text{ kg}$$

$$= 0.15 \text{ kg}$$

$$= (0.15 \times 1\,000) \text{ g}$$

$$= \underline{150 \text{ g}}$$

$10\frac{4}{5} \text{ kg} - 1\,503 \text{ g} - 3.96 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

Tukar unit kg kepada g

$$10\frac{4}{5} \text{ kg} = 10 \text{ kg} + \frac{4}{5} \text{ kg}$$

$$= (10 \times 1\,000) \text{ g} + (\frac{4}{5} \times 1\,000) \text{ g}$$

$$= 10\,000 \text{ g} + 800 \text{ g}$$

$$= 10\,800 \text{ g}$$

$3.96 \text{ kg} = (3.96 \times 1\,000) \text{ g}$

$$= 3\,960 \text{ g}$$

Tolak berturut-turut

$$\begin{array}{r} 10\,800 \text{ g} \\ - 1\,503 \text{ g} \\ \hline 9\,297 \text{ g} \\ - 3\,960 \text{ g} \\ \hline \underline{5\,337 \text{ g}} \end{array}$$

SOLVE THE FOLLOWING

1. $7.1 \text{ kg} - 2.54 \text{ kg} = \underline{\hspace{2cm}} \text{ kg}$

$$\begin{array}{r} \text{ kg} \\ - \text{ kg} \\ \hline \text{ kg} \end{array}$$

2. $\frac{3}{4} \text{ kg} - 0.69 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

$$\frac{3}{4} \text{ kg} = 750 \text{ g}$$

$$0.69 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

$$\begin{array}{r} \text{ g} \\ - \text{ g} \\ \hline \text{ g} \end{array}$$

3. $5\,120 \text{ g} - 1\frac{7}{10} \text{ kg} - 2.093 \text{ kg} = \underline{\hspace{2cm}} \text{ kg}$

$5\,120 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

$1\frac{7}{10} \text{ kg} = 1.7 \text{ kg} \quad (\text{CONVERT TO DECIMAL})$

$$\begin{array}{r} \text{ kg} \\ - 1.700 \text{ kg} \\ \hline \text{ kg} \end{array}$$

$$\begin{array}{r} \text{ kg} \\ - 2.093 \text{ kg} \\ \hline \text{ kg} \end{array}$$

4. $10\frac{1}{2} \text{ kg} - 4\,860 \text{ g} - 3.72 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

$10\frac{1}{2} \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

$3.72 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

$$\begin{array}{r} \text{ g} \\ - 4\,860 \text{ g} \\ \hline \text{ g} \end{array}$$

$$\begin{array}{r} \text{ g} \\ - \text{ g} \\ \hline \text{ g} \end{array}$$