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Solution Sheet-2 (21.06.2020)

Class 4 Math

Chapter 10: Measurement

1. Fill in the blanks:

(i) $1 \text{ g} = 0.001 \text{ kg}$

$$\begin{aligned} 799 \text{ g} &= 799 \times 0.001 \text{ kg} \\ &= 0.799 \text{ kg (answer)} \end{aligned}$$

(ii) $1 \text{ kg} = 1000 \text{ g}$

$$\begin{aligned} 8 \text{ kg} &= 8 \times 1000 \text{ g} \\ &= 8000 \text{ g} \end{aligned}$$

So $8 \text{ kg } 550 \text{ g} = 8000 \text{ g} + 550 \text{ g}$
 $= 8550 \text{ g (answer)}$

(iii) $1 \text{ L} = 1000 \text{ ml}$

$$\begin{aligned} 6.2 \text{ L} &= 6.2 \times 1000 \text{ ml} \\ &= 6200 \text{ ml (answer)} \end{aligned}$$

$$1 \text{ L} = 10 \text{ dl}$$

$$\begin{aligned} 6.2 \text{ L} &= 6.2 \times 10 \text{ dl} \\ &= 62 \text{ dl (answer)} \end{aligned}$$

(iv) $1 \text{ ml} = 0.001 \text{ L}$

$$\begin{aligned} 100 \text{ ml} &= 100 \times 0.001 \text{ L} \\ &= 0.1 \text{ L} \end{aligned}$$

So $3 \text{ L } 100 \text{ ml} = 3 \text{ L} + 0.1 \text{ L}$
 $= 3.1 \text{ L (answer)}$

(v) $1 \text{ dl} = 100 \text{ ml}$

$$10 \text{ dl} = 1000 \text{ ml}$$

$$\begin{aligned}\text{So } 10 \text{ dl } 456 \text{ ml} &= 1000 \text{ ml} + 456 \text{ ml} \\ &= 1456 \text{ ml (answer)}\end{aligned}$$

2. We know,

$$1 \text{ kg} = 1000 \text{ g}$$

$$\begin{aligned}1.25 \text{ kg} &= 1.25 \times 1000 \text{ g} \\ &= 1250 \text{ g}\end{aligned}$$

$$\begin{aligned}\text{Therefore, they ate} &= 1250 \text{ g} - 775 \text{ g} \\ &= 475 \text{ g (answer)}\end{aligned}$$

Again, we know,

$$1 \text{ g} = 0.001 \text{ kg}$$

$$\begin{aligned}475 \text{ g} &= 475 \times 0.001 \text{ kg} \\ &= 0.475 \text{ kg (answer)}\end{aligned}$$

$$\begin{aligned}\text{3. He drinks in total} &= 500 \text{ ml} + 640 \text{ ml} + 420 \text{ ml} \\ &= 1560 \text{ ml (answer)}\end{aligned}$$

We know, $1 \text{ ml} = 0.01 \text{ dl}$

$$\begin{aligned}1560 \text{ ml} &= 1560 \times 0.01 \text{ dl} \\ &= 15.60 \text{ dl (answer)}\end{aligned}$$

Again, we know, $1 \text{ ml} = 0.001 \text{ L}$

$$\begin{aligned}1560 \text{ ml} &= 1560 \times 0.001 \text{ L} \\ &= 1.560 \text{ L (answer)}\end{aligned}$$