

STD-IV

Exercise :- 9.6

A. Change to grams :-

1. 3 kg

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

$$\text{So } 3 \text{ kg} = (3 \times 1000) \text{ g}$$

$$= 3000 \text{ g}$$

$$\text{Ans } 3 \text{ kg} = 3000 \text{ g}$$

3. 9 kg 279 g

$$= 9 \text{ kg} + 279 \text{ g}$$

$$= (9 \times 1000) \text{ g} + 279 \text{ g} \quad (1 \text{ kg} = 1000 \text{ g})$$

$$= 9000 \text{ g} + 279 \text{ g}$$

$$= 9279 \text{ g}$$

$$\text{Ans } 9 \text{ kg } 279 \text{ g} = 9279 \text{ g}$$

4. $5 \frac{1}{2}$ kg

$$= 5 \text{ kg} + \frac{1}{2} \text{ kg}$$

$$= (5 \times 1000) \text{ g} + 500 \text{ g} \quad [\text{As } 1 \text{ kg} = 1000 \text{ g}]$$

$$= 5000 \text{ g} + 500 \text{ g}$$

$$= 5005 \text{ g}$$

$$\text{Ans } 5 \frac{1}{2} \text{ kg} = 5005 \text{ g}$$

$$5) \quad 4 \text{ kg } 15 \text{ g}$$

$$= 4 \text{ kg} + 15 \text{ g}$$

$$= (4 \times 1000) \text{ g} + 15 \text{ g} \quad (\text{As } 1 \text{ kg} = 1000 \text{ g})$$

$$= 4000 \text{ g} + 15 \text{ g}$$

$$= 4015 \text{ g}$$

$$\text{Ans } 4 \text{ kg } 15 \text{ g} = 4015 \text{ g}$$

$$6) \quad 11 \text{ kg } 9 \text{ g}$$

$$= 11 \text{ kg} + 9 \text{ g}$$

$$= (11 \times 1000) \text{ g} + 9 \text{ g} \quad (\text{As } 1 \text{ kg} = 1000 \text{ g})$$

$$= 11000 \text{ g} + 9 \text{ g}$$

$$= 11009 \text{ g}$$

$$7) \quad 10 \frac{1}{4} \text{ kg}$$

$$= 10 \text{ kg} + \frac{1}{4} \text{ kg}$$

$$= (10 \times 1000) \text{ g} + 250 \text{ g}$$

$$= 10000 \text{ g} + 250 \text{ g}$$

$$= 10250 \text{ g}$$

B. Change to kilograms.

1. 4000 g

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

$$50 \text{ g} = \frac{1}{1000} \text{ kg}$$

$$4000 \text{ g} = (4000 \div 1000) \text{ kg}$$

$$= 4 \text{ kg}$$

Ans 4000 g = 4 kg

3. 7489 g

$$= (7489 \div 1000) \text{ kg}$$

$$= 7 \text{ kg } 489 \text{ g}$$

(As 1000 g = 1 kg)

$$\begin{array}{r|l} 1000 & 7489 \\ \hline & 7000 \\ \hline & 489 \end{array} \text{ g}$$

Ans. 7489 g = 7 kg 489 g

7) 77008 g

$$= (77008 \div 1000) \text{ kg}$$

$$= 77 \text{ kg } 8 \text{ g}$$

$$\begin{array}{r|l} 1000 & 77008 \\ \hline & 77000 \\ \hline & 7008 \\ \hline & 7000 \\ \hline & 8 \end{array} \text{ g}$$

⊙ Similarly do all.

c) Express in milligrams.

①

$$2g$$

$$\text{As } 1g = 1000mg$$

$$2g = (2 \times 1000)mg \\ = 2000mg$$

$$\text{Ans } 2g = 2000mg$$

③

$$4\frac{1}{4}g$$

$$= 4g + \frac{1}{4}g$$

$$= (4 \times 1000)mg + 250mg$$

$$= 4000mg + 250mg$$

$$= 4250mg$$

④

$$6g\ 732mg$$

$$= 6g + 732mg$$

$$= (6 \times 1000)mg + 732mg$$

$$= 6000mg + 732mg$$

$$= 6732mg$$

$$\text{Ans } 6g\ 732mg = 6732mg$$

Similarly do all.

D Express as grams:-

1. 9172 mg
 $= (9172 \div 1000) \text{ g}$
 $= 9 \text{ g } 172 \text{ mg}$

1000	9172	9
	9000	
	<hr/>	
	172	

⑤ 27055 mg
 $= (27055 \div 1000) \text{ g}$ (As $1000 \text{ mg} = 1 \text{ g}$)
 $= 27 \text{ g } 55 \text{ mg}$

1000	27055	27
	2000	
	<hr/>	
	7055	
	7000	
	<hr/>	
	55	

Ans - $27055 \text{ mg} = 27 \text{ g } 55 \text{ mg}$

⑧ 19265 mg
 $= (19265 \div 1000) \text{ g}$ (As $1000 \text{ mg} = 1 \text{ g}$)
 $= 19 \text{ g } 265 \text{ mg}$

1000	19265	19
	1000	
	<hr/>	
	9265	
	9000	
	<hr/>	
	265	

Similarly do all.