

Al Moattasem international school

Revision worksheet -1 Answers

Level 5

Mathematics

Chapter 5 –Mass

1. Convert the following

I. 7.32 kg to g

Kg to g =multiply by 1000

$$7.32 \times 1000=7320.00$$

$$=7320\text{g.}$$

II. 10412g to kg and g

g to kg=divide by 1000

$$\frac{10412}{1000}=10.412=10 \text{ kg and } 412 \text{ g.}$$

III. $\frac{1205}{2}$ g to kg

$$\frac{1205}{2}=602.5\text{g}$$

$$\frac{602.5}{1000} = 0.6025 \text{kg.}$$

IV. $\frac{5}{8}$ kg to g

$$\frac{5}{8} \times 1000 = \frac{5000}{8} = 625 \text{g.}$$

V. 25 549 g to kg

$$\frac{25549}{1000} = 25.549 \text{kg.}$$

VI. 26 789 g to kg and g.

$$\frac{26789}{1000} = 26.789 = 26 \text{ kg } (.789 \times 1000)$$
$$= 26 \text{kg} 789 \text{g}$$

2. Calculate the following.

I. 4 kg 30 g + 3 kg 550 g

4 kg 30g +

3 kg 550 g

7kg 580g

II. $11\text{kg } 289\text{g} - 9\text{kg } 887\text{g}$

$$11\text{ kg } \quad 289\text{g} -$$

$$9\text{kg} \quad 887$$

$$1\text{kg} \quad 402\text{g}$$

$$= 1\text{kg } 402\text{g}$$

III. $12 \times 5 \text{ kg } 920\text{g}$

$5\text{kg } 920\text{g} = 5920\text{g}$
 $5920\text{g} \times 12$
 $= 5920 \times 12$

$$\begin{array}{r} 12 \\ \times 5920 \\ \hline 11840 \\ 5920 \\ \hline 71040 \end{array}$$

 $= 71040\text{g} = \frac{71040}{1000}$
 $= 71.040 = 71\text{kg } 040\text{g}$

$$= 71\text{kg } 040\text{g}$$

IV. $12 \text{ kg } 920 \text{ g} \div 4$

$$\frac{12 \text{ kg } 920 \text{ g}}{4} = 3\text{kg } 230\text{g}$$

$$= 3\text{kg } 230\text{g}$$

**3. The mass of three items are 6.5kg,
3421g and 4 kg 86g.**

a) What is their total mass in kg?

6.5 kg=6kg 500g

3421g=3kg 421g

6kg 500g

3kg 421g +

4kg 086g

14kg007g

Total mass=14 kg 007g=14.007kg

**b) What is the difference in mass (in kg
and g) between the heaviest item and
lightest item?**

Heaviest item=6 kg 500g

Lightest item=3 kg 421

$$\begin{array}{r} 6 \text{ kg} \quad 500\text{g} \\ 3 \text{ kg} \quad 421\text{g} \quad - \\ \hline 3\text{kg} \quad 079\text{g} \end{array}$$

Difference=3 kg 079 g

- 4. Grapes were sold at \$3.50 per kg.
Apples were sold at \$1.25 per kg. I
bought 4 kg of apples and some grapes.
How many kg of grapes did I buy if I
spent a total of \$15.50?**

Cost of 1 kg of grapes=\$3.50

Cost of 1 kg of apples=\$1.25

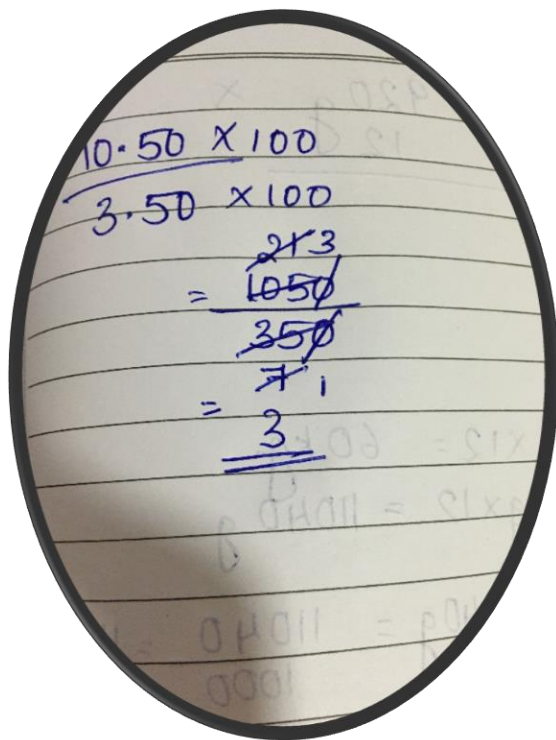
Total money spent =\$15.50

Cost of 4 kg of apples = $4 \times \$1.25 = \5.00

Money spend on grapes = $\$15.50 -$

$\$5.00 = \10.50

Kg of grapes bought = $\$10.50 \div \$3.50 = \underline{\underline{3\text{kg}}}$



5. To bake a cake, mother uses 15 eggs for 1.5 kg of flour. If only 9 eggs are available, how many grams of flour should she use?

15 eggs = 1.5 kg of flour

9 eggs = ? (Kg of flour)

15 x kg of flour = 9 x 1.5

Kg of flour for 9 eggs = $\frac{9 \times 1.5}{15} = 0.9\text{kg}$

= 0.9 x 1000 = 900.0g

For 9 eggs she should use 900g of flour.