

TENDER HEART HIGH SCHOOL, SEC- 33B, CHD.

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Class : III

Subject : Mathematics

Topic : Measurement

Date : 29.10.2024

Good Morning students

This lesson is for class III, and is being submitted to you 28.10.2024

Conversion of units of mass

- Some standard units commonly used for measuring mass are gram (g) and kilogram (Kg).

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

Ex - 7.6 (pg - 124)

A. Convert the following to grams.

$$\begin{aligned} 1) \quad 6 \text{ Kg} &= 6 \times 1000 \text{ g} \\ &= 6000 \text{ g} \end{aligned}$$

$$\begin{aligned} 2) \quad 8 \text{ Kg } 250 \text{ g} &= 8 \times 1000 \text{ g} + 250 \text{ g} \\ &= 8000 \text{ g} + 250 \text{ g} \\ &= 8250 \text{ g} \end{aligned}$$

$$\begin{aligned} 3) \quad 4 \text{ Kg} &= 4 \times 1000 \text{ g} \\ &= 4000 \text{ g} \end{aligned}$$

$$\begin{aligned} 4) \quad 7 \text{ Kg} &= 7 \times 1000 \text{ g} \\ &= 7000 \text{ g} \end{aligned}$$

$$\begin{aligned} 5) \quad 1 \text{ Kg } 872 \text{ g} &= 1 \times 1000 \text{ g} + 872 \text{ g} \\ &= 1000 \text{ g} + 872 \text{ g} \\ &= 1872 \text{ g} \end{aligned}$$

$$\begin{aligned} 6) \quad 3 \text{ Kg } 750 \text{ g} &= 3 \times 1000 \text{ g} + 750 \text{ g} \\ &= 3000 \text{ g} + 750 \text{ g} \\ &= 3750 \text{ g} \end{aligned}$$

$$\begin{aligned}
 7) \quad 2 \text{ Kg } 912 \text{ g} &= 2 \times 1000 \text{ g} + 912 \text{ g} \\
 &= 2000 \text{ g} + 912 \text{ g} \\
 &= 2912 \text{ g}
 \end{aligned}$$

$$\begin{aligned}
 8) \quad 5 \text{ Kg } 228 \text{ g} &= 5 \times 1000 \text{ g} + 228 \text{ g} \\
 &= 5000 \text{ g} + 228 \text{ g} \\
 &= 5228 \text{ g}
 \end{aligned}$$

$$\begin{aligned}
 9) \quad 6 \text{ Kg } 45 \text{ g} &= 6 \times 1000 \text{ g} + 45 \text{ g} \\
 &= 6000 \text{ g} + 45 \text{ g} \\
 &= 6045 \text{ g}
 \end{aligned}$$

$$\begin{aligned}
 10) \quad 9 \text{ Kg } 5 \text{ g} &= 9 \times 1000 \text{ g} + 5 \text{ g} \\
 &= 9000 \text{ g} + 5 \text{ g} \\
 &= 9005 \text{ g}
 \end{aligned}$$

B. Convert the following to kilograms and grams.

$$1. \quad 9000 \text{ g} = 9 \text{ Kg}$$

$$2) \quad 2424 \text{ g} = \underline{2} \text{ Kg } \underline{424} \text{ g}$$

$$3) \quad 6000 \text{ g} = 6 \text{ Kg}$$

$$4) \quad 1009 \text{ g} = \underline{1} \text{ Kg } \underline{9} \text{ g}$$

$$5) \quad 4012 \text{ g} = \underline{4} \text{ Kg } \underline{12} \text{ g}$$

$$6) \quad 7281 \text{ g} = \underline{7} \text{ Kg } \underline{281} \text{ g}$$

$$7) \quad 8000 \text{ g} = \underline{8} \text{ Kg}$$

$$8) \quad 3505 \text{ g} = \underline{3} \text{ Kg } \underline{505} \text{ g}$$

$$9) \quad 5080 \text{ g} = \underline{5} \text{ Kg } \underline{80} \text{ g}$$

$$10) \quad 9299 \text{ g} = \underline{9} \text{ Kg } \underline{299} \text{ g}$$

C. Solve these story sums-

1. Aditya bought fruits weighing 3250g. What is the mass in kilograms and grams?
Sol

Weight of fruits is 3 Kg 250g.

2. The mass of Sarfraz's suitcase is 9 Kg 800g while that of Ramon's is 8 Kg 900g. Whose suitcase is heavier?
Sol

Weight of Sarfraz's suitcase = 9 Kg 800g
Weight of Ramon's suitcase = 8 Kg 900g

Sarfraz's suitcase is heavier.

3. Meera has two packets of sugar of mass 2 Kg each. What is the mass in grams?
Sol

Weight of sugar in grams = 2000g.

Home - assignment

Complete the above sent work in your notebook.