

Class: 3

Subject: Mathematics

Prepared by Shameema Akhtar

Date: 6/10/2020

Solution of lecture-5



Chapter: Measurement

Answer :1

$$\begin{array}{rcl} \text{a.} & 2 \text{ weights of } 1 \text{ kg} & = (2 \times 1) \text{ kg} & = 2\text{kg} \\ & 1 \text{ weight of } 500\text{gm} & = (1 \times 500) \text{ gm} & = 500\text{gm} \\ & \underline{2 \text{ weights of } 100\text{gm}} & = (2 \times 100) \text{ gm} & = 200 \text{ gm} \\ & \text{Total weights} & & = 2\text{kg } 700 \text{ gm} \end{array}$$

Ans: The weight of rice was 2 kg 700 gm.

$$\begin{array}{rcl} \text{b.} & 1 \text{ weight of } 1 \text{ kg} & = (1 \times 1) \text{ kg} & = 1\text{kg} \\ & 1 \text{ weight of } 200\text{gm} & = (1 \times 200) \text{ gm} & = 200\text{gm} \\ & \underline{1 \text{ weight of } 50\text{gm}} & = (1 \times 50) \text{ gm} & = 50 \text{ gm} \\ & \text{Total weights} & & = 1\text{kg } 250 \text{ gm} \end{array}$$

Ans :It requires at least 1 weight of 1 kg , 1 weight of 200 gram and 1 weight of 50 gram.

$$\begin{array}{rcl} \text{c.} & 2 \text{ weights of } 1 \text{ kg} & = (2 \times 1) \text{ kg} & = 2\text{kg} \\ & 1 \text{ weight of } 500\text{gm} & = (1 \times 500) \text{ gm} & = 500\text{gm} \\ & 1 \text{ weight of } 200\text{gm} & = (1 \times 200) \text{ gm} & = 200\text{gm} \\ & \underline{1 \text{ weight of } 50\text{gm}} & = (1 \times 50) \text{ gm} & = 50 \text{ gm} \\ & \text{Total weights} & & = 2\text{kg } 750 \text{ gm} \end{array}$$

Ans :It requires at least 2 weights of 1 kg, 1 weight of 500 , 1 weight of 200 gram and 1 weight of 50 gram.

Extra:

$$\begin{array}{rcl} \text{d.} & 1 \text{ weight of } 1 \text{ kg} & = (1 \times 1) \text{ kg} & = 1\text{kg} \\ & 1 \text{ weight of } 500\text{gm} & = (1 \times 500) \text{ gm} & = 500\text{gm} \\ & 1 \text{ weight of } 200\text{gm} & = (1 \times 200) \text{ gm} & = 200\text{gm} \\ & \underline{1 \text{ weight of } 50\text{gm}} & = (1 \times 50) \text{ gm} & = 50 \text{ gm} \\ & \text{Total weights} & & = 1\text{kg } 750 \text{ gm} \end{array}$$

Ans: The weight of rice was 1 kg 750 gm.

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$$\begin{aligned} \text{e. } 1 \text{ weights of } 1 \text{ kg} &= (1 \times 1) \text{ kg} && = 1 \text{ kg} \\ 1 \text{ weight of } 500 \text{ gm} &= (1 \times 500) \text{ gm} && = 500 \text{ gm} \\ \underline{2 \text{ weights of } 200 \text{ gm}} &= (2 \times 200) \text{ gm} && = 400 \text{ gm} \end{aligned}$$

$$\text{Total weights} = 1 \text{ kg } 900 \text{ gm}$$

Ans: It requires at least 1 weight of 1 kg, 1 weight of 500 gram and 2 weights of 200 gram.

Answer :2

c. we know,

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

$$\begin{aligned} \text{Therefore, } 10000 \text{ g} &= \frac{10\cancel{000}}{1\cancel{000}} \text{ kg} \\ &= \frac{10}{1} \text{ kg} \end{aligned}$$

$$= 10 \text{ kg (Ans)}$$

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

$$\begin{aligned} \text{Therefore, } 3000 \text{ g} &= \frac{3\cancel{000}}{1\cancel{000}} \text{ kg} \end{aligned}$$

$$= \frac{3}{1} \text{ kg}$$

$$= 3 \text{ kg (Ans)}$$

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Answer :3

a. We know,

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

$$\text{Therefore, } 7 \text{ kg} = 7 \times 1000 = 7000 \text{ gm}$$

$$7 \text{ kilogram } 300 \text{ gram} = 7000 \text{ gm} + 300 \text{ gm}$$

$$= 7300 \text{ gm}$$

$$\text{Ans: } 7 \text{ kilogram } 300 \text{ gram} = \underline{7300} \text{ gm}$$

b. We know,

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

$$\text{Therefore, } 8 \text{ kg} = 8 \times 1000 = 8000 \text{ gm}$$

$$8 \text{ kilogram } 850 \text{ gram}$$

$$= 8000 \text{ gm} + 850 \text{ gm}$$

$$= 8850 \text{ gm}$$

$$\text{Ans: } 8 \text{ kilogram } 850 \text{ gram} = \underline{8850} \text{ gm}$$

c. We know,

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

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$$\begin{array}{r} \text{Therefore, 6000 gm} \\ - \quad \frac{\cancel{6000}}{\cancel{1000}} \quad \text{kg} \\ \hline \quad \quad \quad 6 \quad \quad \text{kg} \\ - \quad \quad \quad \underline{\quad} \quad \quad \text{kg} \\ \quad \quad \quad 1 \\ = \quad \quad \quad 6 \quad \quad \text{kg} \end{array}$$

Ans: 6000 gm = 6 kg