

Day 3 Nov 2020

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Chapter - 12

WEIGHT

Ex: - 12.1

Q1. Fill in the blanks: - [To convert gram into kg we divide the quantity by = 1000]

(i) 200 gm = $\frac{1}{5}$ kg

Sol. 200 gm = $\frac{200}{1000} = \frac{1}{5}$ kg

(ii) 400 gm = $\frac{2}{5}$ kg

Sol. 400 gm = $\frac{400}{1000} = \frac{2}{5}$ kg

(iii) 1250 gm = $\frac{5}{4}$ kg

Sol. 1250 gm = $\frac{1250}{1000} = 1.25$ kg or $\frac{5}{4}$ kg

(iv) 750 gm = $\frac{3}{4}$ kg

Sol. 750 gm = $\frac{750}{1000} = 0.75$ kg or $\frac{3}{4}$ kg

(v) 1500 gm = $\frac{3}{2}$ kg

Sol. 1500 gm = $\frac{1500}{1000} = 1.5$ kg or $\frac{3}{2}$ kg

[To convert kg into gram we multiply the quantity by 1000.]

Q2. Convert $1\frac{1}{4}$ kg into gram.

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

$$1 \times 1000 + \frac{1}{4} \times 1000$$

$$1000 + 250 = 1250 \text{ gram.}$$

$$\begin{array}{r} 250 \\ 4 \overline{) 1000} \\ \underline{-800} \\ 200 \\ \underline{-200} \\ 00 \end{array}$$

Q3. Convert $1\frac{3}{4}$ kg into gram.

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

$$1 \times 1000 + \frac{3}{4} \times 1000$$

$$1000 + 750 = 1750 \text{ gram.}$$

Q4. Convert $5\frac{1}{2}$ kg into gram.

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

$$5 \times 1000 + \frac{1}{2} \times 1000$$

$$5000 + 500 = 5500 \text{ gram.}$$

Q5. Convert $1\frac{1}{2}$ kg into gram.

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

$$1 \times 1000 + \frac{1}{2} \times 1000$$

$$1000 + 500 = 1500 \text{ gram.}$$

Day 4 Nov 2020

Question no. 1127.

Q6. Arya, Abhimanyu and Vivek _____ Sandwich

(a) How can _____ Share?
Sol. Arya has divided the sandwich into 3 equal parts. So each person will get one part.

(b) $\frac{1}{3}$
Sol. Each boy receive = $\frac{1}{3}$ part.

required fraction is $\frac{1}{3}$.

Q7. Kanchan dyes _____ finished?

Sol. total number of dresses Kanchan has to dye = 30
No. of dresses she has finished = 20
Required fraction = $\frac{20}{30} = \frac{2}{3}$

Q8. Write the _____ numbers?

Sol. Natural numbers from 2 to 12 are
2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Total natural no are = 11
No. of prime numbers = 5
Required fraction = $\frac{5}{11}$

Q9. Write _____ prime numbers?

Sol. Natural number of from 102 to 113 are
102, 103, 104, 105, 106, 107, 108, 109, 110, 111
112, 113

total natural numbers are \Rightarrow 12

No. of prime numbers = 4 (103, 107, 109, 113)

$$\text{Required fraction} = \frac{4}{12} = \frac{1}{3}$$

Q10. What fraction _____ in them?

Sol. Total number of circles in the figure = 8

Number of circles having Xs in them = 4

$$\text{Required fraction} = \frac{4}{8} = \frac{1}{2}$$

Q11. Kristin _____ gift?

Sol. Number of CDs she bought from the market = 3

Number of CDs received as gift = 5

total no. of CDs = $3 + 5 = 8$

$$\text{Fraction of CDs she bought} = \frac{3}{8}$$

$$\text{Fraction of CDs she received as gift} = \frac{5}{8}$$

Day 4 Nov 2020

Ex-12.2

Questions on Page

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Q1. Reena purchase _____ in the bag.

	Kg	g
Weight of tomato	1	400
Weight of chilli	.	750
Weight of potato +	2	600
total weight -	4	750

Therefore total weight of Reena's bag is 4kg and 750 gram.

Q2. Manoj purchase _____ Shattered.

total weight of sugar	→ 0	1000
weight remain after	→ 8	750
Sugar scattered	=	
Sugar scattered on the way	→ 1	250

Therefore 1kg 250 gram, sugar scattered on the way.

Q3. Sheela has _____ of box.

	Kg	g
Weight of the packet	4	70
Weight of the base	- 3	690
Extra weight of packet	1	780

Therefore weight of packet is 1kg 780 gram more than that of base.

Q4. A shop keeper _____ spices.

Sol. total quantity of spices = 6 kg
 from 1 kg spices we packed 4 packets.
 then the no. of total packets are = $6 \text{ kg} \times 4$
 $\Rightarrow 24$ packets.

Q5. In the mid day _____ 60 students?

Sol. Amount of wheat = $150 \text{ gram} \times 60 = 9000 \text{ gram}$.
 $\Rightarrow \frac{9000}{1000} = 9 \text{ kg}$.

Amount of rice $\Rightarrow 100 \text{ gram} \times 60 = 6000 \text{ gram}$.
 $\Rightarrow \frac{6000}{1000} = 6 \text{ kg}$

Therefore 9 kg wheat & 6 kg rice required for 60 students.

Q6. Savita purchased _____ in her bag.

Weight of Cauliflower	2	000
Weight of Cucumber	4	000
Weight of Yam	3	700
Weight of other vegetables	+ 2	900
Total weight of bag	<u>12</u>	<u>600</u>

Therefore, total weight of bag is 12 kg 600 gm.

Day 5 Nov 2020

Q7. Harish

	kg	g
Weight of turmeric	2	500
Weight of chilli	5	200
Weight of coriander	4	700
Weight of salt	10	000
	+	
Total weight	22	400

Therefore, the total weight = 22 kg 400 gram.

Q8.

(i) $3\frac{1}{2}$ kg = 3500 gm

Sol. $3 \times 1000 + \frac{1}{2} \times 1000 = 3000 + 500 = 3500$ g.

(ii) $3\frac{2}{5}$ kg = 3400 gm

Sol. $3 \times 1000 + \frac{2}{5} \times 1000 = 3000 + 400 = 3400$ g.

(iii) $4\frac{3}{4}$ kg = 4750 gm

Sol. $4 \times 1000 + \frac{3}{4} \times 1000 = 4000 + 750 = 4750$ g.

(iv) $2\frac{1}{5}$ kg = 2200 gm

Sol. $2 \times 1000 + \frac{1}{5} \times 1000 = 2000 + 200 = 2200$ g.

Q9.

$$(ii) 1500 \text{ gm} = 1\frac{1}{2} \text{ kg}$$

$$\text{Sol} \quad 1500 \text{ gm} = \frac{1500}{1000} = \frac{3}{2} \Rightarrow 1\frac{1}{2} \quad \begin{array}{r} 1 \leftarrow q \\ 2 \overline{) 3} \\ -2 \\ \hline 1 \rightarrow R \end{array}$$

$$(iii) 2250 \text{ gm} = 2\frac{1}{4} \text{ kg}$$

$$\text{Sol} \quad \frac{2250}{1000} = \frac{9}{4} \Rightarrow 2\frac{1}{4} \quad \begin{array}{r} 2 \leftarrow q \\ 4 \overline{) 9} \\ -8 \\ \hline 1 \leftarrow R \end{array}$$

$$(iii) 100 \text{ gm} = \frac{1}{10} \text{ kg}$$

$$\text{Sol} \quad \frac{100}{1000} = \frac{1}{10} \text{ kg}$$

$$(iv) 4750 \text{ gm} = 4\frac{3}{4} \text{ kg}$$

$$\text{Sol} \quad \frac{4750}{1000} = \frac{19}{4} = 4\frac{3}{4} \text{ kg} \quad \begin{array}{r} 4 \leftarrow q \\ 4 \overline{) 19} \\ -16 \\ \hline 3 \leftarrow R \end{array}$$

Q10. State True / False

(i) 1 gm is hundredth part of 1 kg.

& False

(ii) To convert kg into gram we multiply the quantity by 1000. (True)

(iii) From 1 kg salt 4 packet of 250 gm salt can be packed. (True)

(iv) The weight of iron and wood piece is equal. (False)

Q11. The weight _____ total weight:

Sol

Weight of Cement	=)	250	500
Weight of Sand	=)	+ 150	750
total weight		<u>400</u>	<u>1250</u>

Therefore, total weight = 400 kg 250 g.

Q12. Reena _____

Sol

	kg	g
weight of hatota	2	300
weight of wheat	+ 3	500
total weight	<u>5</u>	<u>800</u>

Given total weight we have

	8 kg	(10) g
	2	800
required am. of weight	<u>3</u>	<u>200</u>

Q13. Greeta's bag _____ the bags:

Sol. Weight of Greeta's bag \Rightarrow 3 kg 500 g

Weight of her brother's bag \Rightarrow + 4 750

total weight \Rightarrow 8 250