

Jender Heart High School, Chd.
Class - 2

Mathematics

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Chapter - Weight

Weight - To find out how heavy an object is, we find weight.
i.e. Weight shows how heavy an object is.

Weight of an object is measured using a balance. When the objects are placed on the pans of the balance, the heavier side goes down. When the pans balance, the weights on both the pans are same.

Here also we use standard units to weigh the objects i.e. grams and kilograms.

(Short form)

kg $\rightarrow$ Kilogram

g $\rightarrow$ gram

We use gram to weigh light objects and kilograms to weigh heavy objects.

Examples:



An eraser weighs about 10 g.



An apple weighs about 100 g.



A new born baby weighs about 3 kg.



A sack of rice weighs about 10 kg.

Different types of weighing scales are used for measuring weight.



Physical weighing machine



Weighing machine used in gym



Electronic weighing machine

Relation between kg and g

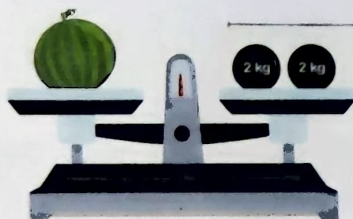
$$1 \text{ Kg} = 1000 \text{ g}$$

$$1 \text{ Kilogram} = 1000 \text{ gram}$$

Q. Write whether the following objects weigh in g or kg:

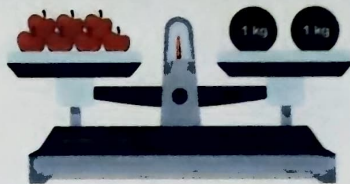
- | | | | |
|--|----------------------|---|----------------------|
| 1) A bread  | <input type="text"/> | 6) A paper clip  | <input type="text"/> |
| 2) An eraser  | <input type="text"/> | 7) A bag of wheat  | <input type="text"/> |
| 3) A car  | <input type="text"/> | 8) A log of wood  | <input type="text"/> |
| 4) A tissue packet  | <input type="text"/> | 9) A spoon  | <input type="text"/> |
| 5) A toffee  | <input type="text"/> | 10) A packet of chips  | <input type="text"/> |

Q. Write the weights



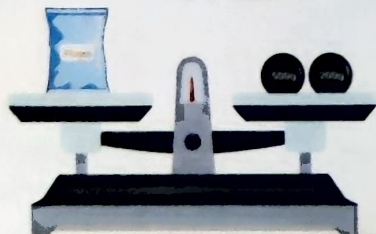
$$= 2\text{kg} + 2\text{kg}$$

$$= \boxed{4} \text{ kg}$$



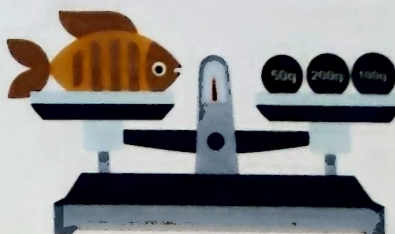
$$= \boxed{}$$

$$= \boxed{} \text{ kg}$$



$$= \boxed{}$$

$$= \boxed{} \text{ g}$$



$$= \boxed{}$$

$$= \boxed{} \text{ g}$$

Q. Convert into grams

① $7\text{kg} = \underline{7000} \text{ g}$

③ $5\text{kg} = \underline{5000} \text{ g}$

② $6\text{kg} = \underline{6000} \text{ g}$

④ $9\text{kg} = \underline{9000} \text{ g}$

Qw Do Pg 101, 102 in book

Revision

Q) Add

$$\begin{array}{r} \text{(a)} \quad \text{m} \quad \text{cm} \\ 16 \quad 45 \\ + 63 \quad 24 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \text{m} \quad \text{cm} \\ 16 \quad 35 \\ + 42 \quad 67 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \text{m} \quad \text{cm} \\ 37 \quad 39 \\ + 25 \quad 72 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(d)} \quad \text{m} \quad \text{cm} \\ 46 \quad 00 \\ + 16 \quad 35 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(e)} \quad \text{m} \quad \text{cm} \\ 23 \quad 26 \\ + 75 \quad 21 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(f)} \quad \text{m} \quad \text{cm} \\ 15 \quad 17 \\ + 18 \quad 23 \\ \hline \hline \end{array}$$

Q) Subtract the following

$$\begin{array}{r} \text{(a)} \quad \text{m} \quad \text{cm} \\ 68 \quad 69 \\ - 25 \quad 17 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \text{m} \quad \text{cm} \\ 54 \quad 93 \\ - 21 \quad 27 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \text{m} \quad \text{cm} \\ 42 \quad 45 \\ - 16 \quad 47 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(d)} \quad \text{m} \quad \text{cm} \\ 49 \quad 00 \\ - 18 \quad 32 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(e)} \quad \text{m} \quad \text{cm} \\ 35 \quad 91 \\ - 14 \quad 21 \\ \hline \hline \end{array}$$

$$\begin{array}{r} \text{(f)} \quad \text{m} \quad \text{cm} \\ 72 \quad 51 \\ - 47 \quad 39 \\ \hline \hline \end{array}$$

Q) Solve

(a) $45 \text{ m } 56 \text{ cm} + 29 \text{ m } 39 \text{ cm}$

(b) $14 \text{ m } 36 \text{ cm} + 8 \text{ m } 3 \text{ cm}$

(c) $69 \text{ m } 14 \text{ cm} - 18 \text{ m } 48 \text{ cm}$

(d) $35 \text{ m } 46 \text{ cm} - 29 \text{ m } 05 \text{ cm}$

Addition in Weight

(a) kg gm

12 345

+ 10 135

(b) kg gm

41 519

+ 10 329

(c) kg gm

13 175

+ 12 125

(d) kg gm

19 575

+ 13 248

(e) kg gm

12 335

+ 10 165

(f) kg gm

30 150

+ 16 100

1.

	kg	g
		265
+		487

2.

	kg	g
		76
+		15

3.

	kg	g
	25	490
+	17	325

4.

	kg	g
	7	555
+	2	380

5.

	kg	g
	118	307
+	294	258

6.

	kg	g
	205	515
+	166	285

7.

	kg	g
	86	590
+	7	254

8.

	kg	g
	35	328
+	59	485

Revision

- 1) write two multiplication facts

$$42 \div 6 = 7$$

$$18 \div 2 = 9$$

- 2) Subtract ₹54.50 from ₹97.75

- 3) Subtract ₹127.50 from ₹163.00

- 4) Mrs. Gupta bought an apples for ₹118.75 and oranges ₹63.50. How much money did she spend in all?