Metric units of measuring weight

(subtraction and conversion without regrouping)

Example: 1

Subtract 24 kilograms and 13 kilograms.

Solution:
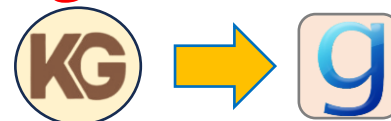
kilograms
2 4
1 3
1 1

-

11 kilograms of wheat

Hence, 24 kilograms - 13 kilograms = 11 **kilograms**.

So, answer is 11 kilograms.

Convert 11 kilograms into grams.

Solution:

1 kilogram = 1000 grams

11 kilograms = 11 x 1000 grams

= 11000 grams

So, 11 kilograms is equal to 11000 grams.

Example: 2

Subtract 46 grams and 24 grams.

Solution:

grams
4 6
2 4
2 2

-

22 grams of toothbrush

Hence, 46 grams - 24 grams = **22 grams**.

So, answer is **22 grams**.

Convert 22 grams into **kilograms.**

Solution:

$$1 \text{ gram} = \frac{1}{1000} \text{ kilograms}$$

$$22 \text{ grams} = \frac{22}{1000} \text{ kilograms}$$

$$= 0.022 \text{ kilograms}$$

So, **22 grams** is equal to **0.022 kilograms**.

Example: 3

Subtract 68 kilograms 57 grams and 56 kilograms 24 grams.

Solution:

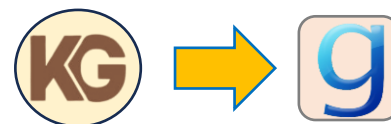| kilograms	grams
6 8	5 7
5 6	2 4
1 2	**3 3**

−

12 kilogram 33 grams of weight of wooden bed

Hence, 68 kilograms 57 grams − 56 kilograms 24 grams = **12 kilograms 33 grams**

So, answer is **12 kilograms 33 grams**

Convert 12 kilograms 33 grams into grams.

Solution:

First we have to convert 12 **kilograms** into **grams**

$$1 \text{ kilogram} = 1000 \text{ grams}$$

12 kilograms = 12 x 1000 grams

= **12000 grams**

12 kilograms 33 grams = 12000 + 33 = **12033 grams**

So , **12 kilograms 33 grams** is equal to **12033 grams**.

Example: 4

Subtract 86 kilograms 49 grams and 40 kilograms 23 grams.

Solution:

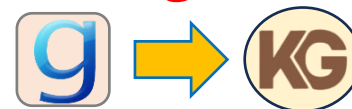| kilograms	grams
8 6	4 9
4 0	2 3
4 6	2 6

-

Weight - 46 kilograms 26 grams

Hence, 86 kilograms 49 grams - 40 kilograms 23 grams = **46 kilograms 26 grams**

So, answer is **46 kilograms 26 grams**

Convert 46 kilograms 26 grams into kilograms.

Solution:

First we have to convert 26 grams into kilograms

$$1 \text{ gram } = \frac{1}{1000} \text{ kilograms}$$

$$26 \text{ grams } = \frac{26}{1000} \text{ kilograms}$$

$$= 0.026 \text{ kilograms}$$

46 kilograms 26 grams = 46 + 0.026 = **46.026 kilograms**

So , **46 kilograms 26 grams** is equal to **46.026 kilograms**.