

# Metric units of measuring weight

(Addition and conversion without regrouping)





## Example: 1

Add the 15 grams and 12 grams.

**Solution:**

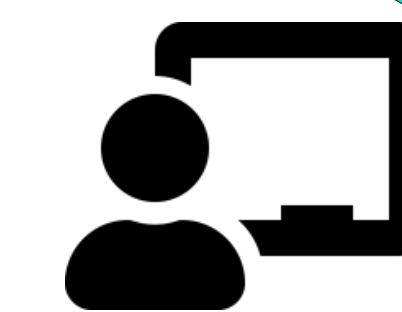
	grams
+	15
	12
	<b>27</b>



27 grams  
of biscuits

Hence, 15 grams + 12 grams = **27 grams**

So, answer is **27 grams**.



Convert 27 grams into **kilograms**

**Solution:**



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

$$27 \text{ grams} = \frac{27}{1000} \text{ kilograms}$$

$$= 0.027 \text{ kilograms}$$

So, **27 grams** is equal to **0.027 kilograms**.





## Example: 2

Add the 16 kilograms and 13 kilograms.

**Solution:**

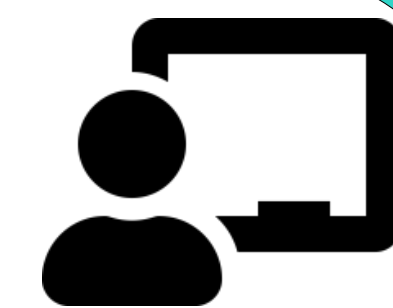
	<b>kilograms</b>
	16
+	13
	<b>29</b>



29 kilograms of rice

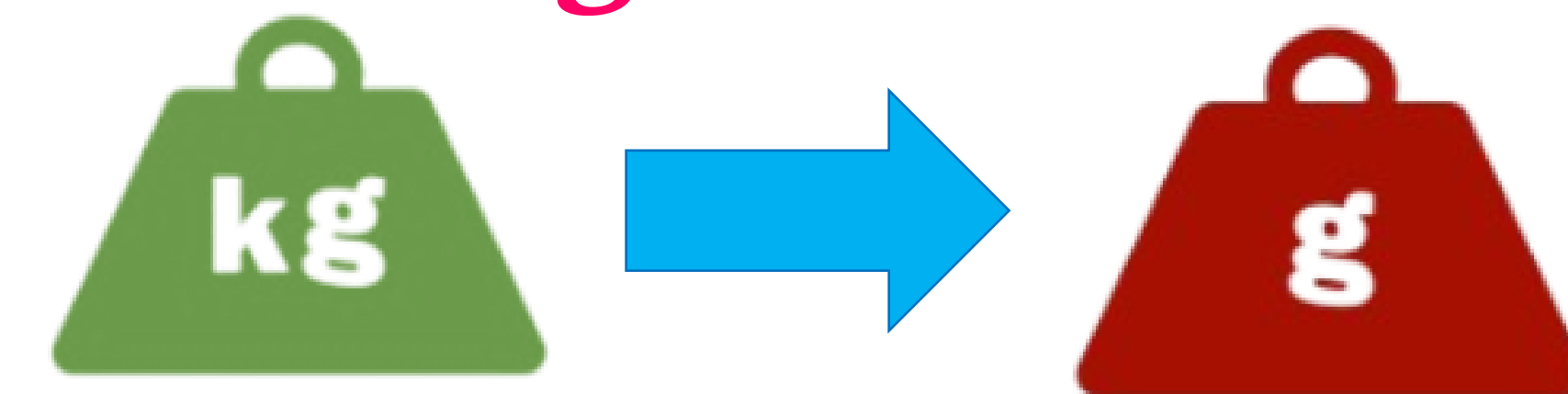
Hence, 16 kilograms + 13 kilograms = **29 kilograms**

So, answer is **29 kilograms**.



Convert 29 kilograms into **grams**

**Solution:**



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

$$29 \text{ kilograms} = 29 \times 1000 \text{ grams}$$

$$= 29000 \text{ grams}$$

So, **29 kilograms is equal to 29000 grams**.





## Example: 3

Add the 35 kilograms 42 grams and  
42 kilograms 37 grams

### Solution:

	kilograms	grams
	35	42
+	42	37
	<b>77</b>	<b>79</b>

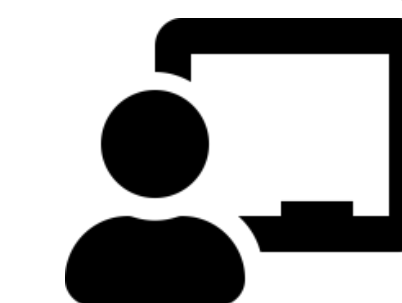


77 kilograms  
79 grams of  
Snake weight

Hence, 35 kilograms 42 grams  
+ 42 kilograms 37 grams = **77 kilograms  
79 grams**

So, answer is **77 kilograms 79 grams.**

Convert 77 kilograms 79 grams  
into kilograms



### Solution:



First we have to convert 79 grams into kilograms.

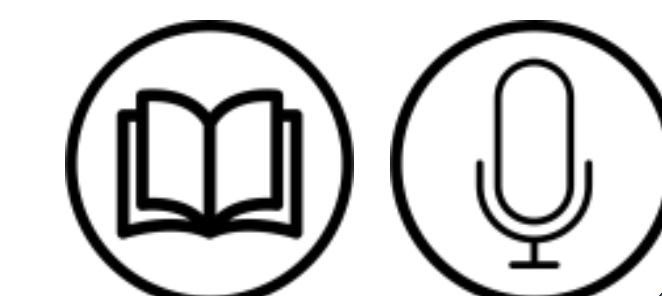
$$1 \text{ gram} = \frac{1}{1000} \text{ kilograms}$$

$$79 \text{ grams} = \frac{79}{1000} \text{ kilograms}$$

$$= 0.079 \text{ kilograms}$$

$$\begin{array}{l} 77 \text{ kilograms} \\ 79 \text{ grams} \end{array} = 77 + 0.079 = \mathbf{77.079 \text{ kilograms}}$$

So, **77 kilograms 79 grams** is equal  
to **77.079 kilograms.**

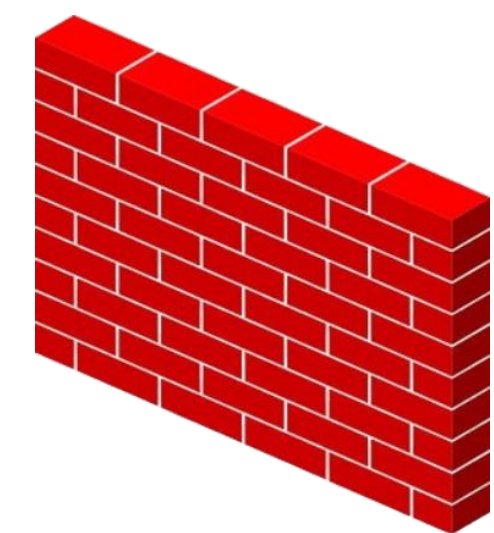




## Example: 4

Add the 41 kilograms 62 grams and  
44 kilograms 26 grams

### Solution:



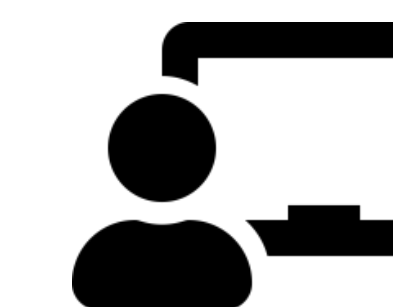
85 kilograms  
88 grams of bricks

	kilograms	grams
	41	62
+	44	26
	<b>85</b>	<b>88</b>

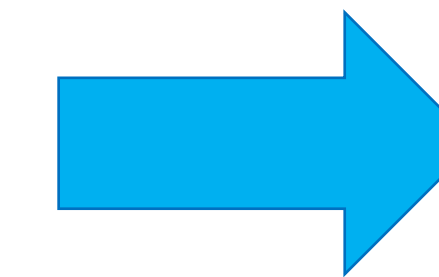
Hence, 41 kilograms 62 grams  
+ 44 kilograms 26 grams = **85 kilograms  
88 grams**

So, answer is **85 kilograms 88 grams.**

## Convert 85 kilograms 88 grams



into **grams**



### Solution:

First we have to convert 85 kilograms into grams.

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

$$85 \text{ kilograms} = 85 \times 1000 \text{ grams}$$

$$= 85000 \text{ grams}$$

$$\begin{array}{l} 85 \text{ kilograms} \\ 88 \text{ grams} \end{array} = 85000 + 88 = 85088 \text{ grams}$$

So, **85 kilograms 88 grams** is equal  
to **85088 grams.**

