

Mathematics

**Decimals and measures**

**Convert between standard units of mass**

**Independent Task**



## Question 1

Complete the table converting between grams and kilograms.

Grams	Kilograms
817	
276	
	0.254
	0.72
156	
	0.874
	0.6234
305	
	0.3

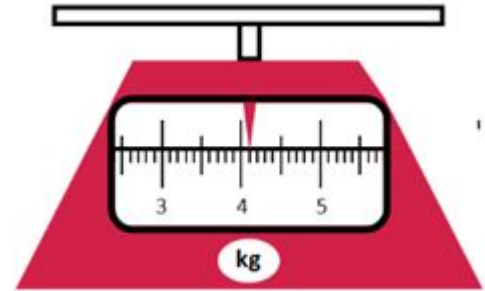


## Question 2

An eight week old puppy is put on the scales.

Six months later, the puppy weighs 8.7 kg more.

What is the mass of the puppy now in **grams**?

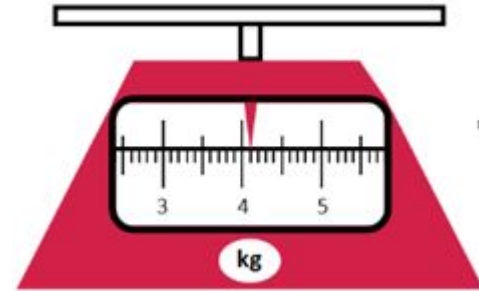


### Question 3

A pirate finds some gold bars. He needs to know how many grams of gold he has in order to sell.

He weighs **one third** of the bars.

What is the total mass of the bars in **grams**?



## Question 4

I have been tracking the weight of my new kitten, Apricat.

At the end of week one, Apricat had gained 380 g.

At the end of the second week, he gained 0.09 kg.

At the end of the third week, he had gained 0.27 kg.

Apricat now weighs 2.01 kg.

What was his weight at the beginning in grams?

