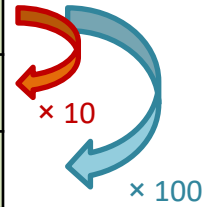


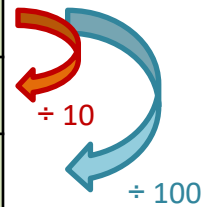
1. Multiplying by 10 and 100

Thousands	Hundreds	Tens	Ones
		2	4
	2	4	0
2	4	0	0



2. Dividing by 10 and 100

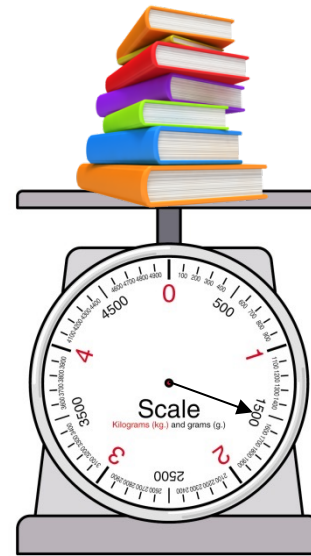
Thousands	Hundreds	Tens	Ones
3	7	0	0
	3	7	0
		3	7



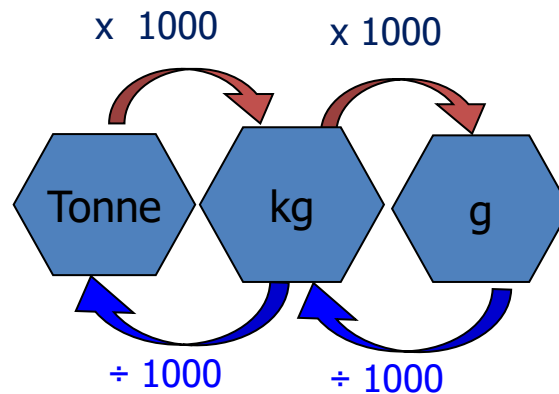
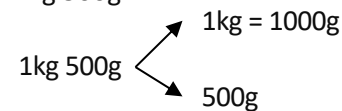
3. What is appropriate to measure with...

Grams	paperclips, a loaf of bread
Kilograms	people, a bag of sand
Tonnes	car, truck, a large cargo box

4. Calculating Mass



The mass of the books is 1kg 500g.



5. Key Vocabulary

measuring scale	Equipment used to measure the mass of an object.
estimate	To judge the mass of an object without using measuring scales.
conversion fact	A fact used to convert between two measurements, for example g to kg.
convert	Change from one unit of measure to another, for example cm to m.
gram	A unit of measurement.
kilogram	A unit of measurement, equal to 1000 grams.
tonne	A unit of measurement, equal to 1000 kilograms.
mass	The amount of matter in an object, measured in g, kg and tonnes.
weight	The force with which an object is pulled towards the centre of the Earth.
scale	A set of points on a line used for measuring.

6. Conversion Facts

1 kilogram = 1000 grams

1 tonne = 1000 kilograms