Maths - Year 4

Measurement 4: Understanding and using units of mass

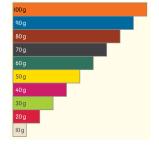
	Mathe				
Allowance/limit	The amount of something that is permitted, especially within a set of regulations or for a specified purpose.	- Recall the nur kilogram. - Use understa			
Excess/exceed	Exceed: to go over or above the amount that is permitted. Excess: the amount left beyond the permitted value.	to partition ma - Round a list of estimate their			
Mass	The amount of matter in an object measured in, e.g. grams (g), kilograms (kg).	Use estimation calculations.Convert betw			
Weight	How heavy something is.	kilograms Use appropri calculating with			
Grams (g)	A unit to measure weight/mass.				
Kilograms (kg)	A unit to measure weight/mass. 1kg = 1000g				
Convert	Change one unit of measure for another e.g. converting grams to kilograms.				
Equivalent	The same amount, represented in different ways e.g. 2.3kg = 2300g.				
Place value e.g. thousands, hundreds, tens, unit, tenths, hundredths, thousandths.	Thousands Hundreds Tens Ones tenths hundredths thousandths 3 4 8 · 5				
Rounding	Increasing or decreasing a number or amount to make it closer to (usually) a multiple of ten, or a whole measuring unit e.g. rounding 353 to 250 or 89cm to 1 metre.				

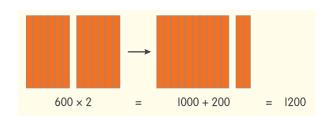
ematical Skills

- umber of grams in a
- anding of place value asses.
- of masses and r total.
- ion to check
- ween grams and
- riate strategies for th masses.

Mathematical Methods

- Calculating with mass e.g. calculating the mass of two pairs of trainers, both weighing 600g.





- Problem solving and calculating with mass e.g. has Max exceeded his baggage limit of 10kg.



- Measuring mass in kilograms using decimal notation e.g. 6.3kg = 6000g + 300g.

Thousands	Hundreds	Tens	Ones	tenths
			6	. 3
6	3	0	0	

- Solving everyday problems involving mass.

Can you..?

- Find the total mass of the headphones and electronic tablet. Carl is packing for a trip.



- Lisa's backpack weighs 4kg 600g and Sam's weighs 6kg 300g. How much heavier is Sam's backpack?
- Which is bigger 3.4kg or 3.25kg? Explain how you know.
- Claire has two containers full of strawberries with a total mass of 0. 73kg. An empty container weighs 0.007kg. What was the mass of the strawberries?