Measurement Sense– Set 5

Ⓐ Can name the standard metric units and can name and record these in abbreviated forms.

Length

millimetre = mm	6 millimetres = 6mm
centimetre = cm	8 cm = 8 centimetres
metre = m	95 metres = 95m
kilometre = km	2.5 km = 2.5 kilometres

Weight

gram = g	150 grams = 150g
kilogram = kg	7 kg = 7 kilograms

Capacity

mililitre = mL	50 millilitres = 50 mL
litre = L	8 L = 8 litres

Ⓑ Understand arrays can be used to help calculate area and volume.
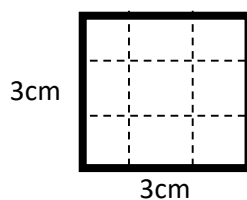
Area
3cm across splits into 3 sections
3cm high splits into 3 sections
I can see 3cm x 3cm = 9 cm²

Volume
2cm across splits into 2 sections
3cm high splits into 3 sections
I can see 2cm x 3cm = 6cm²
2cm back splits into 2 sections
Which means there is double
6cm² x 2cm = 12cm²

Ⓒ Can measure, selecting appropriate measuring devices, and reading scales to marked and unmarked intervals.
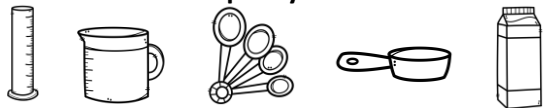
Length

Measuring Tapes and Rulers
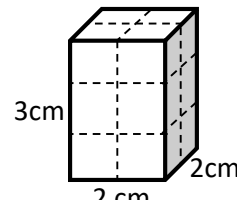
Weight

Scales and Weights

Capacity

Measuring Cylinders, Jugs, Spoon, Cups , Standardised Containers

Ⓓ Can read scales to marked and unmarked intervals.

Length: Finish point – start point = length of object
Weight: Total weight of object and container – container weight = object weight
Can work out a weight, capacity, length when it falls between two markings – between 5cm and 6cm is about 5.5cm

E.g. How heavy?
Arrow between
200gm and 300gm
250gm

E.g. How long?
Starts at 2cm finishes
at 9.5cm
9.5cm-2cm **= 7.5cm**

Ⓔ Estimate measurements using benchmarks.

Can use one object of a standard size to help estimate the size of another object.

Estimate: **T**his fish bowl probably fits 3 mugs, a mug is about 250ml so I think the fish bowl might be 3 x 250 = 750 ml

Check: when using a measuring jug to check I worked out it was 850ml

Note: Temperature and time have been forgotten from the learning progression frame work so I have placed them where I see is best fit.

Time: know abbreviated terms   hours =hrs   minute = mins   seconds = secs = s
Can read time using devices such as analogue clocks, digital clocks, stop watches and sand timers.
Can work out how long an activity takes by subtracting the start time from the finish time.
E.g. Greta needs to get on a bus at 8:45 and it arrives at the park at 8:55 how long did the bus take.
8:55 – 8:45 = 10 mins
Can estimate how long an activity or an action might take.

Temperature: know abbreviated form degrees celsius = °C
Can read temperature by looking at the thermometer