MEASUREMENT SENSE– SET 5

(A) *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

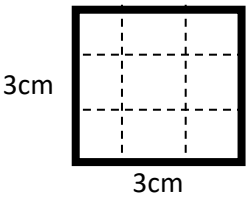
Weight

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

Capacity

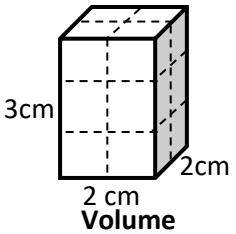
mililitre = mL	50 millilitres = 50 mL
litre = L	8 L = 8 litres

(B) *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

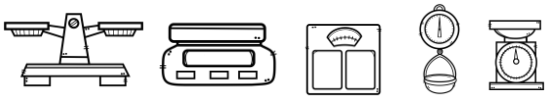
2cm across splits into 2 sections
3cm high splits into 3 sections
I can see 2cm x 3cm = 6cm²
2cm back splits into 2 sections
Which means there is double
6cm² x 2cm = 12cm²

(C) *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

(D) *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**

(E) *Estimate measurements using benchmarks.*

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

Estimate: This 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: Note: Temperature and time have been forgotten from the learning progression framework so we have placed them where we see is best based on the NZC.

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.
- Can estimate how long an activity or an action might take.

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

Temperature:

- Know abbreviated form degrees celsius = °C
- Can read temperature by looking at the thermometer

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