Maths - Year 3

Measurement 3: Measuring accurately and calculating with metres, centimetres and millimetres

Key Vocabulary

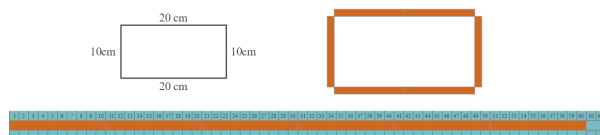|	
Metre (m)	A unit used to measure length, width, height and depth.
Centimetre (cm)	A unit used to measure length, width, height and depth. 100cm = 1m.
Millimetre (mm)	A unit used to measure length, width, height and depth. 10mm = 1cm.
dimensions	Refers to the length, width, height or depth of an object.
Perimeter	The distance around a shape.

Mathematical Skills

- Express lengths using more than one unit e.g. 2cm 5mm.
- Convert between units e.g. 20mm = 2cm.
- Give reasonable approximations of length.
- Add two or more lengths given in mixed units.
- Calculate the difference between two lengths.
- Calculate the perimeter of simple shapes.
- Use a tally chart to record data correctly.
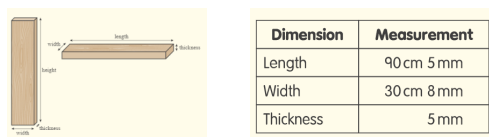- Construct a pictogram in which each symbol represents more than one item.

Mathematical Methods

- Understanding equivalent units e.g. 10mm = 1cm, 100cm = 1m.

- Calculating perimeter.

- Measuring in millimetres.

Dimension	Measurement
Length	90 cm 5 mm
Width	30 cm 8 mm
Thickness	5 mm

- Converting between millimetres, centimetres and metres e.g. 157cm = 1m 57cm; 380mm = 38cm etc.
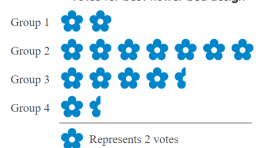
- Calculating with lengths e.g. calculating how many pieces of wood would be needed to make a flower bed in line with its dimensions.

- Collecting data using a tally chart and presenting in a pictogram.

Votes for best flower bed design

Group	Tally
1	IIII
2	NN NN IIII
3	NN IIII
4	III

Votes for best flower bed design

Group 1 ❀❀
Group 2 ❀❀❀❀❀❀❀
Group 3 ❀❀❀❀
Group 4 ❀

❀ Represents 2 votes

Can you..?

- Use the rods to calculate the perimeter of the shape

- Measure the length of four items and put them in order of size, starting with the smallest.
- A worm is 5cm 4mm long. What is its length in millimetres?

- Thomas uses wooden boards to make a flower bed.
How many boards will he need if he wants to make a flower bed
That is 300cm long and 145cm wide?

300cm long
10cm wide
5cm thick