Maths - Year 3

Pattern and Algebra 3: Reading and creating scales with different intervals.

Key Vocabulary

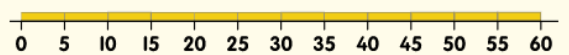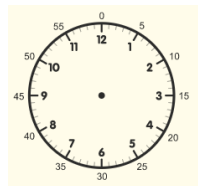|	
Metres (m)	A unit for measuring length.
Centimetres (cm)	A unit for measuring length. 100cm = 1 metre
Scales	A system of marks at fixed intervals, used to give a measurement.
Kilograms (kg)	A unit for measuring weight.
Grams (g)	A unit for measuring weight. 1000g = 1 kg
Capacity	How much a container can hold.
Vessel	A container that holds something.
litres	A unit of capacity.
Millilitres	A unit of capacity. 1000ml = 1 litre.

Mathematical Skills

- Use knowledge of multiples to mark intervals on a scale.
- Use knowledge of multiples to read scales where not every interval is marked.
- Identify missing intervals by making connections with sequences of multiples.
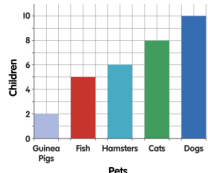- Count in multiples of 2, 5, 10, 20, 25, 50 and 100.

Mathematical Methods

- Exploring a range of scales on measuring instruments e.g. rulers, metre sticks, weighting scales, cylinders etc.

- Exploring multiples of 5 on the clock face.

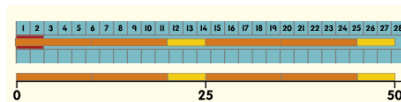- Creating bar charts with intervals of 2.

Pets	Number of children
Guinea pigs	2
Fish	5
Hamsters	6
Cats	8
Dogs	10

- Creating bar charts with intervals of 20.

- Exploring connections between intervals of 2 and 20.

- Exploring connections between 5 and 50.

- Creating a scale with intervals of 25.

Can you..?

- Complete this sequence: Can you work out the missing number on the jugs?

- Find the missing numbers: 80, 100, _____, 140, _____, _____, 200, _____

- Molly saves one 5p coin and one 50p coin each week. How much has she saved after 5 weeks?

- Find the missing numbers: 475, _____, _____, 550, _____, 600, _____