Maths - Year 2

Pattern and Algebra 5: Patterns and sequences of 2s, 5s and 10s

Key Vocabulary

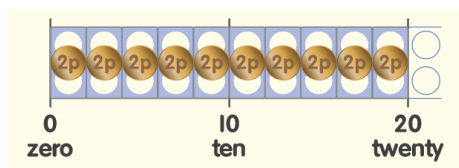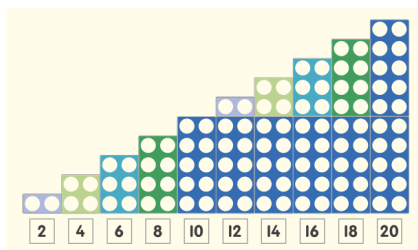|	
Repeat	Do the same thing again and again.
Predict	Make a good guess.
Pattern	A set of ordered numbers, shapes or objects.
Sequence	An ordered list of numbers, shapes or objects.
Multiple	The product of two whole numbers larger than one, e.g. 15 is a multiple of 3 and of 5, 5 x 3 = 15.
Hundred square	A grid containing the numbers up to 100.
Vertical	A straight line at right angles to the horizon.
Horizontal	A straight line parallel to the horizon.
Number line	A horizontal line, showing numbers at regular intervals.

Mathematical Skills

- Say and build the multiples of 2, 3, 5 and 10 in order with Numicon shapes and number rods, and write the sequence in numerals.
- Say the next number when counting in multiples of 2, 3, 5 and 10.
- Connect counting 2p, 5p and 10p coins with the multiples of 2, 5 and 10.
- Explain the connection between the multiples of 5 and 10.
- Record the multiples of 5 and 10 on the 100 square.
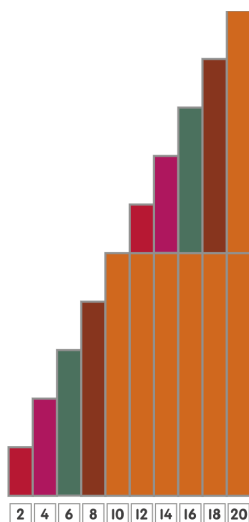
Mathematical Methods

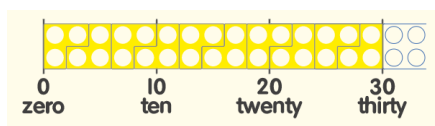- Multiples of 2 using 2p coins.

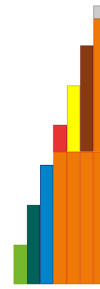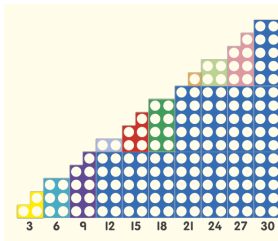- Exploring multiples of 2 with Numicon shapes.

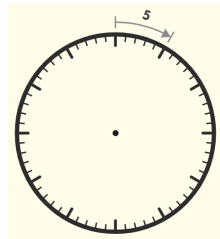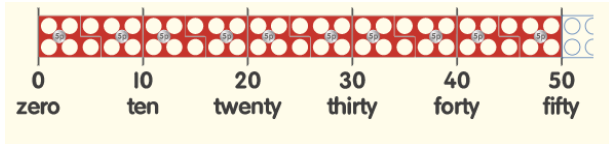- Exploring multiples of 2 with number rods.

- Exploring the sequence of 3s using Numicon shapes and the Numicon 10s number line.

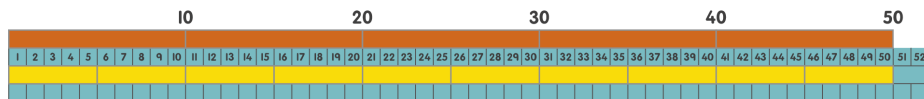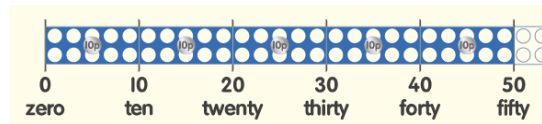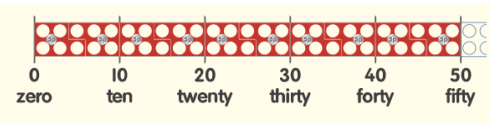- Exploring multiples of 3 with Numicon shapes and number rods.

- Exploring the sequence of 5s using 5p coins.

0	10	20	30	40	50
zero	ten	twenty	thirty	forty	fifty

- Relating the multiples of 5 to the clock face.

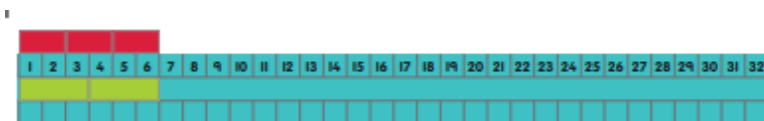- Relating the sequence of 5s and 10s with Numicon shapes and number rods.

0	10	20	30	40	50
zero	ten	twenty	thirty	forty	fifty

0	10	20	30	40	50
zero	ten	twenty	thirty	forty	fifty

- Exploring multiples of 10 and 5 on the 100 square.

Can you..?

- Can you tell me about the pattern made with the number rods?

- Can you find out how many tens there are in 60? How many fives are there in 60? Do you see a pattern?

- How many 10p coins are equal to 40p. How many 5p coins are equal to 40p?