Maths - Year 1

Calculating 5: Halves and quarters of wholes

Key Vocabulary

Half	One part of a whole divided into two equal parts.
Quarter	One part of a whole divided into four equal parts.
Part(s)	A piece of a shape, object or number less than the whole.
Whole	All of/the entire number, shape or object.
Equal parts	Parts of a whole number, shape or object that are the same in size or value.
Halve	Divide into two equal parts.
Double	Multiply a number or amount by two.
Diagonal	A line segment between two vertices that is not an edge.
horizontal	A straight line parallel to the horizon.
Vertical	A straight line at right angles to the horizon.

Mathematical Skills

- Begin to understand the inverse relation between doubling and halving.
- Divide a whole shape into halves and into quarters.
- Explain in their own way one half as 'one of two equal parts' and one quarter as 'one of four equal parts'.
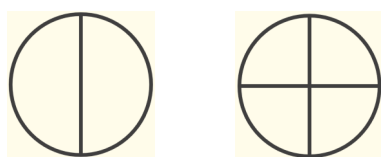
Mathematical Methods

- Finding out about 'half' and 'quarter' e.g. by cutting a cake etc.
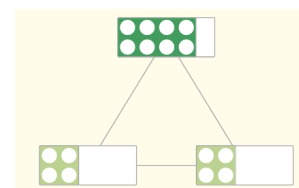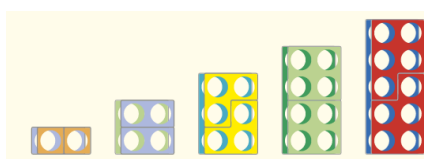
- Cutting sandwiches into halves and quarters.

- Finding halves and quarters of squares.

- Finding halves and quarters of circles.

- Halving collections of discrete objects.

Can you..?

- Can you cover half of the 6-shape with pegs? How many pegs did you need?

- Can you show double 3 using the Numicon shapes? What do you notice?

- Max made this to show half of 18. Do you think he is right? Why do you think that?