

# Maths - Year 1

## Pattern and Algebra 3: Odd and Even

### Key Vocabulary

Pattern	A set of ordered numbers, shapes or objects.
Odd number	Any whole number that cannot be divided exactly by two.
Even number	Any whole number that can be divided exactly by two.
Equals	The same in number or amount.

### Mathematical Skills

- Recognise that it is important to be well organised and to work systematically, e.g. those who use numbers in order to avoid missing any out.
- Use 'odd' and 'even' as descriptive number terms.
- Name odd and even numbers to 10.
- Know that a general statement can be made after they have noticed something always happening: that an odd number always followed an even number (or an even number also follows an odd number) when counting whole numbers in ones.

### Mathematical Methods

- Beginning to explore odd and even.

Number of children	Would they each have a partner?
10	Yes
9	No
8	Yes
7	No
6	Yes
5	No
4	Yes
3	No
2	Yes
1	No

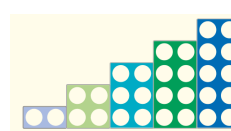
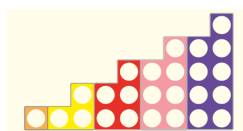
- Investigating odd and even numbers using socks.

Number of socks	Pairs or odd sock?
10	Pairs
9	Odd sock
8	Pairs
7	Odd sock
6	Pairs
5	Odd sock
4	Pairs
3	Odd sock
2	Pairs
1	Odd sock

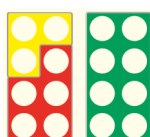
Number of socks	Pairs or odd socks	Numicon Shape
9	Odd sock	
7	Odd sock	
5	Odd sock	
3	Odd sock	
1	Odd sock	

Number of socks	Pairs or odd socks	Numicon Shape
10	Pair	
8	Pair	
6	Pair	
4	Pair	
2	Pair	

- Investigating odd and even with Numicon shapes.



- Beginning to look at patterns when adding odd and even numbers.



### **Can you..?**

- Can you cover the baseboard with just odd shapes? What do you notice?
- Can you cover the baseboard with just even shapes? What do you notice?
- Can you show me all the odd Numicon shapes? How do you know that they are odd?