

# Parent Guide

## How can I use this with my children?

Cut out and mix up the cards. Ask your child to match each number sequence with the formula that describes it. For more information on how to find out the formula, read our

## How does this help my children's learning?

This matching game can help your child to develop their understanding of linear number sequences and recall how they can be solved using algebra.

## Ideas for further learning:

Ask your child to create some of their own linear number sequences and write a formula to describe the sequence.

3 5 7 9 11 13

$$2n + 1$$

1 7 13 19 25 31

$$6n - 5$$

1 4 7 10 13 16

$$3n - 2$$

11 18 25 32 39 46

$$7n + 4$$

-2 -1 0 1 2 3

$$n - 3$$

6 14 22 30 38 46

$$8n - 2$$

1 5 9 13 17 21

$$4n - 3$$

6 11 16 21 26 31

$$5n + 1$$

# Linear Number Sequences Answers

#	Sequence	Formula
1.	3, 5, 7, 9, 11, 13	$2n + 1$
2.	1, 7, 13, 19, 25, 31	$6n - 5$
3.	1, 4, 7, 10, 13, 16	$3n - 2$
4.	11, 18, 25, 32, 39, 46	$7n + 4$
5.	-2, -1, 0, 1, 2, 3	$n - 3$
6.	6, 14, 22, 30, 38, 46	$8n - 2$
7.	1, 5, 9, 13, 17, 21	$4n - 3$
8.	6, 11, 16, 21, 26, 31	$5n + 1$