Section 1.6: Graphing Relations

You can use a graph to show a relation.

This table and graph show how 4n -1 relates to n.

Input	Output
n	**4n - 1**
1	3
2	7
3	11
4	15

Graph of 4n -1 against n
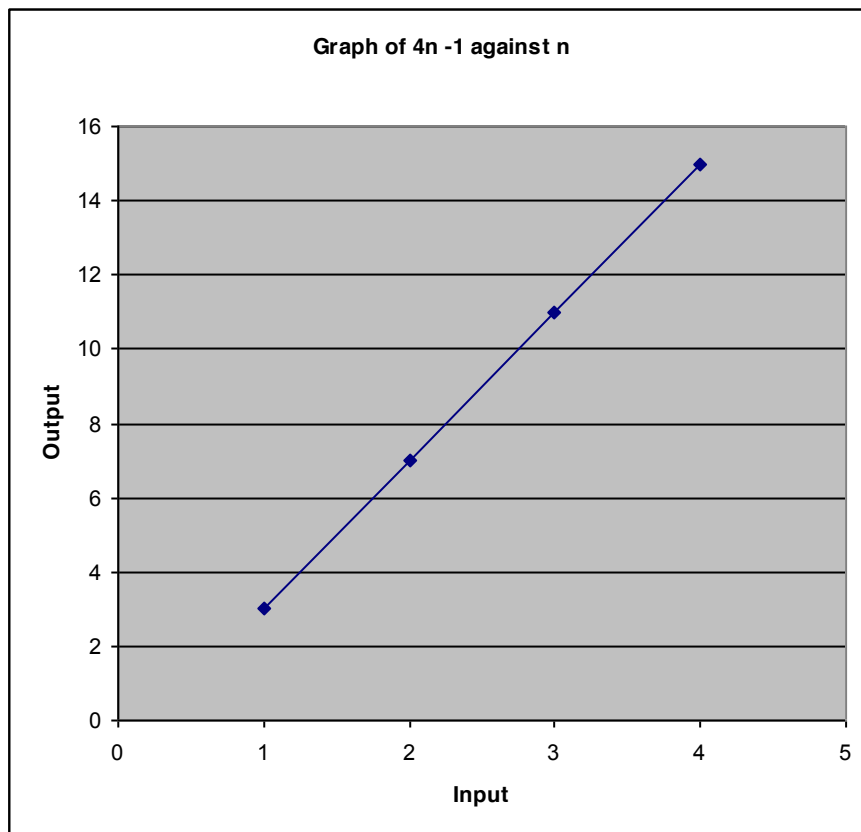
The scale on the output axis is 1 square to 2 units.

The points lie on a straight line, so this represents a **linear relation**.

Both the table and graph show that when the input number increases by 1 the output number increases by 4.