

Sequences

linear

7, 13, 19, 25, 31

6 6 6 6

first find the difference between the terms. If they are the **SAME**, the sequence is linear.

take the difference and times by n

$6n$

What do you need to add or minus to $6n$ to get the first term

Check with other terms replace n with the terms number.

$$6n + 1$$

$$6 \times 2 + 1$$

Sequences

are important

Arithmetic sequences \rightarrow 3, 5, 7, 9, 11

+2 +2

in this sequence you +2 to get to the next term

Geometric sequences \rightarrow 3, 6, 12, 24

Maths

in this sequence you $\times 2$ to get the next term

And the other sequences: 123

$\times 2$ then +2 \rightarrow 1, 4, 10, 22

Prime No. \rightarrow 2, 3, 5, 7

Square Numbers \rightarrow 1, 4, 9, 16

try your own

P	1	2	3	4	5
T	7	9	11	13	15

