

Plotting Points on Straight Lines

Starter

1. **(Review of Y7 material)** The n -th term of a sequence is given by the formula $2n + 1$. Write down the first 3 terms of the sequence.

Working: The 1st term is when $n = 1$: 1st term = $2 \times 1 + 1 = 3$
The 2nd term is when $n = 2$: 1st term = $2 \times 2 + 1 = 5$
The 3rd term is when $n = 3$: 1st term = $2 \times 3 + 1 = 7$

2. The equation of a straight line is given by $y = 2x + 1$. Copy and complete the table of values:

x	1	2	3
y			

Working: When $x = 1$, $y = 2 \times 1 + 1 = 3$
When $x = 2$, $y = 2 \times 2 + 1 = 5$
When $x = 3$, $y = 2 \times 3 + 1 = 7$

x	1	2	3
y	3	5	7

Video: [Drawing straight-line graphs using a table of values](#)

[Solutions to Starter and E.g.s](#)

Exercise

p39 Ex 14.2 Qu 3-9 odd, 10

[Textbook answers \(only available during a lockdown\)](#)