

Mathematics

Sequences

Tracking Calculations

Downloadable Resource

Ms Jones



Try This

Row 1	1	2	3	4	5	6
Row 2	7	8	9	10	11	12
Row 3	13	14	15	16	17	18
Row 4	19	20	21	22	23	24
Row 5	25	26	27	28	29	30

Imagine continuing the number grid.

What would the 10th row look like?

What about the 50th or 100th row?



Independent task

E.g.

1. For the grid shown:

- Write out 5 terms of the sequences for the highlighted columns (a and b);
- Replace the sequence with tracking calculations using the row numbers.

Row 1

	a	b
2	4	5

2. Given sequence(s) (12, 19, 26,):

- Draw a number grid where the sequence lies within a column;
- Replace the sequence with tracking calculations.



Explore

The image shows part of a number grid.

In how many ways can you place the numbers within the orange squares?

9 5 -2 14

How could you convince someone the grid must have more than 4 columns?

