

NUMBER SEQUENCES

For questions 1 to 4, write down the **next two terms** in the number sequence.

1. 10, 13, 16, 19, 22,,

2. 10, 13, 17, 22, 28,,

3. 80, 77, 74, 71,,

4. 3, 6, 12, 24,,

5. A number sequence is defined as follows:

- The first term is 5.
- Each term is double the previous one.

Use this rule to generate the **next 5 terms** of the number sequence.

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6. The n th term of a number (linear) sequence is $5n - 2$.

Work out the **first five terms** of the number sequence.

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7. The first five terms in a linear sequence are 10, 12, 14, 16, 18.

a) Find the value of the 10th term.

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b) Write, in terms of n , an expression for the n th term of this sequence.

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8. The n th term of a number (linear) sequence is $20 - 2n$.

Work out the **first five terms** of the number sequence.

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9. The n th term of a number sequence is $n(n + 1)$

Complete this table for the first five terms of the number sequence.

n	1	2	3	4	5
<i>term</i>					