

Q1. (2017)

4 Here is a sequence.

90 82 74 66 58

Circle the expression for the n th term of the sequence.

[1 mark]

$n - 8$

$98 - 8n$

$8n + 82$

$8n - 98$

Q2. (2018)

5 Match each sequence to its description.
One has been done for you.

[4 marks]

1 1 2 3 5 8	Arithmetic progression
1 2 4 8 16 32	Geometric progression
1 2 3 4 5 6	Fibonacci sequence
1 3 6 10 15 21	Triangular numbers
1 4 9 16 25 36	Cube numbers
1 8 27 64 125 216	Square numbers

Q3. (2022)

3 Circle the triangular number.

[1 mark]

9 12 15 18

Q4. (2023)

2 Four consecutive triangular numbers are 6 10 15 21

Write down the next triangular number.

[1 mark]

Q5. (2023)

19 Here are the first four terms of a quadratic sequence.

3 20 47 84

Work out an expression for the n th term of the sequence.

[4 marks]