

## QUADRATIC SEQUENCES – PRACTICE QUESTIONS



1.

Find the  $n$ th term of the sequence 4, 5, 8, 13, ...

2.

Find the  $n$ th term of the sequence 3, 6, 11, 18, ...

3.

Find the  $n$ th term of the sequence 2, 7, 14, 23, ...

4.

Find the  $n$ th term of the sequence 6, 7, 12, 21, ...

5.

Find the  $n$ th term of the sequence 1, 5, 13, 25, ...

6.

Find the  $n$ th term of the sequence 8, 10, 16, 26, ...

7.

Find the  $n$ th term of the sequence 2, 3, 10, 23, ...

8.

Find the  $n$ th term of the sequence 5, 8, 17, 32, ...

9.

Find the  $n$ th term of the sequence 4, 9, 16, 25, ...

10.

The first four terms of a sequence are 9, 11, 15 and 21.

Find the 25<sup>th</sup> term in the sequence.

11.

The first four terms of a sequence are 5, 7, 13 and 23.

Find the 30<sup>th</sup> term in the sequence.

12.

The first four terms of a sequence are 1, 7, 19 and 37.

Find the 15<sup>th</sup> term in the sequence.

13.

The first four terms of a sequence are 2, 9, 18 and 29.

Find the difference between the 10<sup>th</sup> and 15<sup>th</sup> terms in the sequence.

14.

The first four terms of a sequence are 1, 2, 5 and 10.

Is 65 in the sequence?

15.

The first four terms of a sequence are 3, 4, 9 and 18.

Is 123 in the sequence?

16.

The first four terms of a sequence are -1, 1, 7 and 17.

Is 162 in the sequence?