

Finding the nth Term Worksheet

1. Find the n th term of the sequence: 2, 5, 8, 11, 14, ...
2. Find the n th term of the sequence: 7, 10, 13, 16, 19, ...
3. The sequence is: 15, 12, 9, 6, 3, ... What is the n th term?
4. Given the sequence: 4, 9, 16, 25, 36, ... find the n th term.
5. Find the n th term of the sequence: 1, 4, 9, 16, 25, ...
6. The sequence is: 3, 7, 11, 15, 19, ... Write the n th term.
7. Find the n th term for the sequence: 20, 17, 14, 11, 8, ...
8. The sequence is: 5, 12, 21, 32, 45, ... Find the n th term.
9. Given the sequence: 2, 6, 12, 20, 30, ... what is the n th term?
10. The sequence is: 1, 8, 27, 64, 125, ... Find the n th term.
11. Find the n th term of the sequence: 10, 17, 24, 31, 38, ...
12. The sequence is: 6, 11, 18, 27, 38, ... Find the n th term.
13. Given the sequence: 100, 97, 94, 91, 88, ... find the n th term.
14. The sequence is: 0, 7, 26, 63, 124, ... Find the n th term.
15. The sequence is: 2, 12, 30, 56, 90, ... Find the n th term.

Maths with Melissa

Answer Key

1. nth term: $3n - 1$
2. nth term: $3n + 4$
3. nth term: $18 - 3n$
4. nth term: $(n + 1)^2$
5. nth term: n^2
6. nth term: $4n - 1$
7. nth term: $23 - 3n$
8. nth term: $n^2 + 4n$
9. nth term: $n^2 + n$
10. nth term: n^3
11. nth term: $7n + 3$
12. nth term: $n^2 + 2n + 3$
13. nth term: $103 - 3n$
14. nth term: $n^3 - 1$
15. nth term: $4n^2 - 2n$