

Nth Term of Quadratic Sequences

Find the nth term of these sequences:

- (a) 8, 11, 16, 23, ...
- (b) $-4, -1, 4, 11, \dots$
- (c) 6, 12, 22, 36, ...
- (d) $-1, 5, 15, 29, \dots$
- (e) 4, 13, 28, 49, ...
- (f) 2, 14, 34, 62, ...

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- (c) 6, 12, 22, 36, ...
- (d) $-1, 5, 15, 29, \dots$
- (e) 4, 13, 28, 49, ...
- (f) 2, 14, 34, 62, ...

Find the nth term of these sequences:

- (a) 3, 7, 13, 21, ...
- (b) 2, 7, 14, 23, ...
- (c) 9, 18, 31, 48, ...
- (d) 1, 5, 13, 25, ...
- (e) 7, 23, 49, 85, ...
- (f) 7, 15, 29, 49, ...

Find the nth term of these sequences:

- (a) 3, 7, 13, 21, ...
- (b) 2, 7, 14, 23, ...
- (c) 9, 18, 31, 48, ...
- (d) 1, 5, 13, 25, ...
- (e) 7, 23, 49, 85, ...
- (f) 7, 15, 29, 49, ...

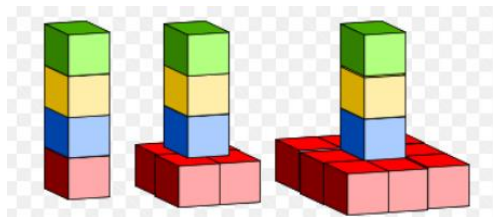
Find the nth term of these sequences:

- (a) 10.5, 12, 14.5, 18, ...
- (b) 5.5, 9, 13.5, 19, ...
- (c) 1.5, 5, 11.5, 21, ...
- (d) 3.5, 10, 19.5, 32, ...
- (e) 19, 16, 11, 4, $-5, \dots$
- (f) 5, 6, 5, 2, $-3, \dots$

Find the nth term of these sequences:

- (a) 10.5, 12, 14.5, 18, ...
- (b) 5.5, 9, 13.5, 19, ...
- (c) 1.5, 5, 11.5, 21, ...
- (d) 3.5, 10, 19.5, 32, ...
- (e) 19, 16, 11, 4, $-5, \dots$
- (f) 5, 6, 5, 2, $-3, \dots$

Here are some patterns made from cubes. Find an expression for the nth term of this sequence.



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