

n^{th} term rules of sequences

1

Write down, in terms of n , the n th term of **each** of the following sequences.

(a) 7 14 21 28

.....
.....

[1]

(b) 3 8 13 18

.....
.....

[2]

2

Write down, in terms of n , the n th term of **each** of the following sequences.

(a) 8 16 24 32 40

.....
.....

[1]

(b) 2 9 16 23 30

.....
.....

[2]

3

Write down the n th term of **each** of the following sequences.

(a) 4, 8, 12, 16, 20,

.....
.....

[1]

(b) 1, 7, 13, 19, 25,

.....
.....

[2]

4

Write down, in terms of n , the n th term of the following sequence.

8 13 18 23

.....
.....

.....
.....

[2]

5

Write down, in terms of n , the n th term of **each** of the following sequences.

(a) 9 18 27 36

.....
..... [1]

(b) 1 8 15 22

.....
..... [2]

6

Write down, in terms of n , the n th term in each of the following sequences.

(a) 2, 8, 14, 20, 26, . . .

.....
..... [2]

(b) 1, 4, 9, 16, 25, . . .

.....
..... [1]

(c) 4, 16, 36, 64, 100, . . .

.....
..... [1]

7

(a) Write down, in terms of n , the n th term of **each** of the following sequences.

(i) 2×4 3×8 4×12 5×16

.....
..... [2]

(ii) 4 10 16 22 28

.....
..... [2]

(b) Write down the 2nd and 3rd terms of the sequence whose n th term is $n^2 - 4$.

2nd term =

3rd term =

[2]