

New Maths GCSE: A25 - nth term of Linear Sequences



Name:.....

Date:.....

What is the nth term of this sequence?

5, 7, 9, 11...

A $n+2$	B $2n+5$
C $2n-3$	D $2n+3$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

What is the nth term of this sequence?

1, 4, 7, 10...

A $3n+3$	B $3n+1$
C $3n-2$	D $n+3$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

What is the nth term of this sequence?

1, 9, 17, 25...

A $8n-1$	B $8n-7$
C $8n+7$	D $8n+1$

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

What is the n th term of this sequence?

18, 16, 14, 12...

A $18 - 2n$

B $20 - 2n$

C $2n + 16$

D $n - 2$

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

Which sequence has n th term?

$5n - 4$

A 1, 6, 11, 16

B 1, 5, 9, 13

C -4, 1, 6, 11

D 5, 1, -3, -7

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

Which sequence has n th term?

$7n + 1$

A 8, 9, 10, 11

B 8, 15, 22, 29

C 7, 8, 9, 10

D 1, 8, 15, 22

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

Which term is not in the sequence

$5n - 1$

A 34

B 29

C 271

D 104

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

Which term is not in the sequence

$$3n + 6$$

A 54 B 111

C 126 D 305

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

Here are the first five terms of an arithmetic sequence.

9 13 17 21 25

What is the expression, in terms of n , for the n th term of the sequence?

$5n + 4$ $4n$ $4n + 5$ $n + 4$

A B C D

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

Here are the first five terms in a sequence.

6 10 14 18 22

What is the 9th term of this sequence?

38 36 22 34

A B C D

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

The n th term of a sequence is given by $2n - 3$. What is the 10th term of the sequence?

23 14 17 197

A B C D

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

The n th term of a sequence is $100 - 7n$. Which of the following is **not** a term in the sequence?

93 65 70 9

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....