



# New Maths GCSE: A25 - higher nth term sequences quiz

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:

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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:

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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:

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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:

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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:

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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:

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Which sequence has  $n$ th term?

$n^2 + 1$

A 1, 4, 9, 16

B 1, 4, 7, 10

C 4, 9, 16, 25

D 2, 5, 10, 17

Correct Answer: A B C D

Explanation:

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Which sequence has nth term?

$$2^n$$

<b>A</b> 2,4,8,16	<b>B</b> 1,2,4,8
<b>C</b> 2,4,6,8	<b>D</b> 1,2,4,6

Correct Answer: A B C D

Explanation:

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Which term is not in the sequence

$$5n - 1$$

<b>A</b> 34	<b>B</b> 29
<b>C</b> 271	<b>D</b> 104

Correct Answer: A B C D

Explanation:

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Which term is not in the sequence

$$3n + 6$$

<b>A</b> 54	<b>B</b> 111
<b>C</b> 126	<b>D</b> 305

Correct Answer: A B C D

Explanation:

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Which term is not in the sequence

$$2n^2$$

**Final question**

<b>A</b> 64	<b>B</b> 128
<b>C</b> 8	<b>D</b> 32

Correct Answer: A B C D

Explanation:

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