



New Maths GCSE: A24 - Other types of sequences

Name:.....

Date:.....

What type of numbers are these?

1, 1, 2, 3, 5, 8, 13,...

<input type="checkbox"/> A	Square Numbers	<input type="checkbox"/> B	Cube Numbers
<input type="checkbox"/> C	Triangular Numbers	<input type="checkbox"/> D	Fibonacci Numbers

Correct Answer: A B C D

Explanation:

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What type of numbers are these?

1, 4, 9, 16, 25, 36,...

<input type="checkbox"/> A	Square Numbers	<input type="checkbox"/> B	Cube Numbers
<input type="checkbox"/> C	Triangular Numbers	<input type="checkbox"/> D	Fibonacci Numbers

Correct Answer: A B C D

Explanation:

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What type of numbers are these?

1, 3, 6, 10, 15, 21,...

<input type="checkbox"/> A	Square Numbers	<input type="checkbox"/> B	Cube Numbers
<input type="checkbox"/> C	Triangular Numbers	<input type="checkbox"/> D	Fibonacci Numbers

Correct Answer: A B C D

Explanation:

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What type of numbers are these?

1, 8, 27, 64, 125, 216,...

- A** Square Numbers **B** Cube Numbers
C Triangular Numbers **D** Fibonacci Numbers

Correct Answer: A B C D

Explanation:

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The rule for this sequence is:

"add the two previous terms together to get the next term"

2, 4, 6, 10,...

What is the next term?

- A** 12 **B** 14
C 16 **D** 18

Correct Answer: A B C D

Explanation:

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The rule for this sequence is:

"multiply the previous term by 2 to get the next term"

2, 4, 8, 16,...

What is the next term?

- A** 24 **B** 32
C 64 **D** 128

Correct Answer: A B C D

Explanation:

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The rule for this sequence is:

"The position of the term squared, then add one"

2, 5, 10, 17,...

What is the next term?

- A** 26 **B** 25
C 24 **D** 27

Correct Answer: A B C D

Explanation:

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The rule for this sequence is:
"The position of the term cubed, then subtract one"

0, 7, 26, 63,...

What is the next term?

- A** 74 **B** 24
- C** 99 **D** 124

Correct Answer: A B C D

Explanation:

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What is the 10th square number?

- A** 10 **B** 20
- C** 100 **D** 50

Correct Answer: A B C D

Explanation:

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What is the 4th cube number?

- A** 64 **B** 12
- C** 16 **D** 81

Correct Answer: A B C D

Explanation:

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What is the 6th triangular number?

- A** 25 **B** 21
- C** 18 **D** 15

Correct Answer: A B C D

Explanation:

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Starting with "1, 1...", what is the 8th Fibonacci number?

A 16

B 15

C 64

D 21

Correct Answer: A B C D

Explanation:

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