



What is the next number in the given sequence? 6, 9, 18, 45, 126, ____.

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- A. 234
- B. 345
- C. 369
- D. 486

Show Answer...

Correct Answer: C (369)

Explanation:

To find the next number in the sequence, we follow the given pattern:

- Multiply the previous number by 3.
- Subtract 9 from the product.

Using this pattern:

$$9 * 3 = 27 - 9 = 18$$

$$18 * 3 = 54 - 9 = 45$$

$$45 * 3 = 135 - 9 = 126$$

$$\mathbf{126 * 3 = 378 - 9 = 369}$$

Therefore, the next number in the sequence is 369. Among the given options, the correct answer is C (369).



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