



NumPy LCM Lowest Common Multiple

[< Previous](#)[Next >](#)

Finding LCM (Lowest Common Multiple)

The Lowest Common Multiple is the least number that is common multiple of both of the numbers.

Example

Find the LCM of the following two numbers:

```
import numpy as np

num1 = 4
num2 = 6

x = np.lcm(num1, num2)

print(x)
```

Try it Yourself »

Returns: 12 because that is the lowest common multiple of both numbers (4*3=12 and 6*2=12).

Finding LCM in Arrays

To find the Lowest Common Multiple of all values in an array, you can use the `reduce()` method.

The `reduce()` method will use the ufunc, in this case the `lcm()` function, on each element, and reduce the array by one dimension.

Example

Find the LCM of the values of the following array:

```
import numpy as np

arr = np.array([3, 6, 9])

x = np.lcm.reduce(arr)

print(x)
```

Try it Yourself »

Returns: `18` because that is the lowest common multiple of all three numbers ($3*6=18$, $6*3=18$ and $9*2=18$).

Example

Find the LCM of all of an array where the array contains all integers from 1 to 10:

```
import numpy as np

arr = np.arange(1, 11)

x = np.lcm.reduce(arr)
```

```
print(x)
```

[Try it Yourself »](#)[◀ Previous](#)[Next ▶](#)

COLOR PICKER



HOW TO

- Tabs
- Dropdowns
- Accordions
- Side Navigation
- Top Navigation
- Modal Boxes
- Progress Bars
- Parallax
- Login Form
- HTML Includes
- Google Maps
- Range Sliders
- Tooltips
- Slideshow
- Filter List
- Sort List

SHARE



CERTIFICATES

HTML
CSS
JavaScript
SQL
Python
PHP
jQuery
Bootstrap
XML

[Read More »](#)

[REPORT ERROR](#)

[PRINT PAGE](#)

[FORUM](#)

[ABOUT](#)

Top Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
How To Tutorial
SQL Tutorial
Python Tutorial
W3.CSS Tutorial
Bootstrap Tutorial
PHP Tutorial
jQuery Tutorial
Java Tutorial
C++ Tutorial

Top References

- [HTML Reference](#)
- [CSS Reference](#)
- [JavaScript Reference](#)
- [SQL Reference](#)
- [Python Reference](#)
- [W3.CSS Reference](#)
- [Bootstrap Reference](#)
- [PHP Reference](#)
- [HTML Colors](#)
- [jQuery Reference](#)
- [Java Reference](#)
- [Angular Reference](#)

Top Examples

- [HTML Examples](#)
- [CSS Examples](#)
- [JavaScript Examples](#)
- [How To Examples](#)
- [SQL Examples](#)
- [Python Examples](#)
- [W3.CSS Examples](#)
- [Bootstrap Examples](#)
- [PHP Examples](#)
- [jQuery Examples](#)
- [Java Examples](#)
- [XML Examples](#)

Web Certificates

- [HTML Certificate](#)
- [CSS Certificate](#)
- [JavaScript Certificate](#)
- [SQL Certificate](#)
- [Python Certificate](#)
- [jQuery Certificate](#)
- [PHP Certificate](#)
- [Bootstrap Certificate](#)
- [XML Certificate](#)

[Get Certified »](#)

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our terms of use, cookie and privacy policy. Copyright 1999-2020 by Refsnes Data. All Rights Reserved.

Powered by W3.CSS.

