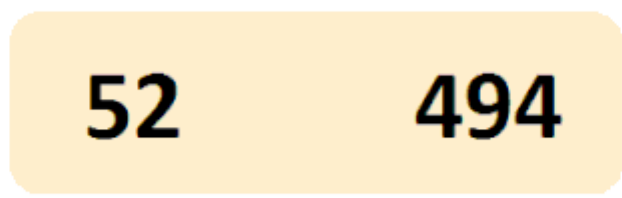


File:Gcd exercise.gif

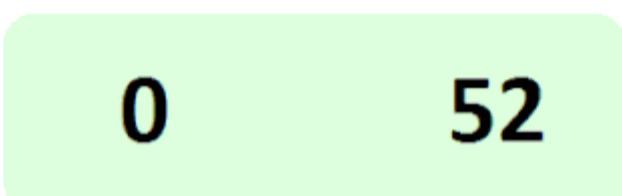
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Let's begin with two integers, 494 and 52. To find their greatest common divisor, we begin by sorting them from smallest to largest, in this example, from left to right.



Next, we shift them to the right and fill in the missing spot with a zero...



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Size of this preview: 747 × 600 pixels. Other resolutions: 299 × 240 pixels | 598 × 480 pixels | 904 × 726 pixels.
 Original file (904 × 726 pixels, file size: 108 KB, MIME type: image/gif, looped, 5 frames, 56 s)

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File information	Structured data
Captions	Edit
English	The Euclidean algorithm expanded into a two-dimensional grid format.

Summary [edit]

Description	<p>English: This is an example of a set of two numbers which demonstrates the Euclidean algorithm expanded into a two-dimensional grid format that simultaneously reduces the GCD of an infinite set of numbers. Its JavaScript code is embedded into a webpage which is located here. The JavaScript code, itself, is located here as a viewable text file with a JS extension. Its stepwise demonstration is embedded into this webpage. The PHP version of its stepwise demonstration is embedded here. The PHP code, itself, is located here as a viewable text file with a TXT extension. This modification of the more commonplace procedure for finding the GCD of two numbers resulted from studying the Infinite Range of Golden Ratios since it is also used as one of the methods for generating the infinite series of Golden Ratios. BTW, the extension of the Golden Ratio into an infinite series is due to redefining the Fibonacci series into a grid format.</p>
Date	26 June 2016
Source	Own work
Author	Vinyasi



GCD Demonstration for Infinite Sets of Integers in Tablature Format driven by PHP

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File history

Click on a date/time to view the file as it appeared at that time.

	Date/Time	Thumbnail	Dimensions	User	Comment
current	07:18, 5 January 2023		904 × 726 (108 KB)	Vinyasi (talk contribs)	Uploaded own work with UploadWizard

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The following other wikis use this file:

- Usage on en.wikipedia.org
 - [Talk:Euclidean division](#)

Category: [Infinite Euclidean algorithm](#)
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