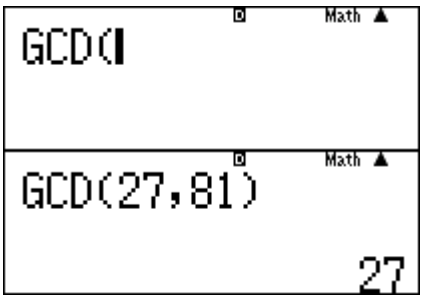
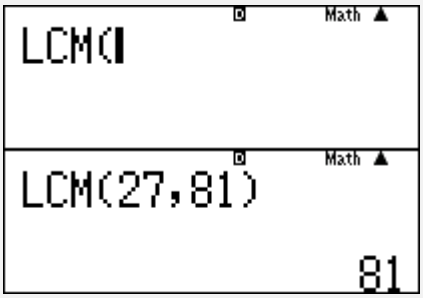
Module 2: Arithmetic Operations Including Division of Fractions

Part B – GCD and LCM and Euclid's algorithm

To find the GCD use the (GCD) command located above the [×] (GCD) it is in red. The comma is located above the [)](,). [ALPHA] [×] [2] [7] [SHIFT] [)] (,) [8] [1] [)]	
To find the LCM use the (LCM) command located above the [÷] (LCM) it is in red. The comma is located above the [)](,). [ALPHA] [÷] [2] [7] [SHIFT] [)] [8] [1] [)] [=]	

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Euclids Algorithm can be simulated to find the GCD. We will use remainder division to find the GCD between 2 numbers.

GCD(18,42) = 6

Use Euclid's Algorithm and remainder division.

[4] [8] [SHIFT] [Abs] [1] [8] [=]

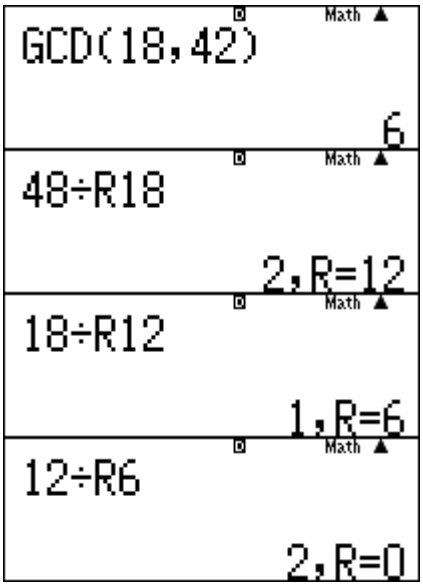
Take 18 and divide by the remainder 12.

[1] [8] [SHIFT] [Abs] [1] [2] [=]

Repeat with 12 and 6.

[1] [2] [SHIFT] [Abs] [6] [=]

The final answer is 6.



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