

*Learning Objective:* Students will be able to use Euclid's Ladder to find greatest common factors of two numbers.

Lesson 1.5 & 1.6

September 28, 2016

## Essential Question:

How can you find the greatest common factor and least common multiple of two numbers?

## Lesson Objective:

Students will be able to:

use Euclid's Ladder to find greatest common factor and least common multiple of two numbers.

# Self-Evaluation Scale

Score	Description
4	I can teach other students how to use Euclid's Ladder to find greatest common factors of two numbers.
3	I can use Euclid's Ladder to find greatest common factors of two numbers.
2	I recognize, but still need help to use Euclid's Ladder to find greatest common factors of two numbers.
1	I do not know how to use Euclid's Ladder to find greatest common factors of two numbers.

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# Euclid



also known as Euclid of Alexandria, was a Greek mathematician, often referred to as the "Father of Geometry".

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# Euclid's Ladder

12 20

14 35

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## On Your Own

GCF = 6

2	12	30
3	6	15
	2	5

LCM = 60

51	85
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32	54
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24	108
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14	84
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39	66
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# Assignment

Complete problems 13, 15, 16, 23, 25, 26, 31, & 33  
on pages 34 & 35 in your Big Ideas Text Book.

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# Homework

In your Big Ideas Record and Practice Journal  
page 22.