$$\begin{array}{ccccc}
70 & 35 & 41 \\
\times 11 & \times 52 & \times 41
\end{array}$$

Warm Up Answers

Homework Answers

1.4 Record and Practice Journal

List the factor pairs of the number.

Write the prime factorization of the number.

$$3^2$$

$$2^3 \cdot 3$$

$$2^3 \cdot 5$$





$$2^2 \cdot 11$$

$$2 \cdot 5^2$$

- 13. A fitness instructor arranges 30 people into rows. Each row has the same number of people.
 - a. Can the instructor arrange the people into rows of 6?

yes

b. Can the instructor arrange the people into rows of 9?

no

Lesson 1.5 October 8, 2014

Essential Question:

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

Lesson 1.5

October 8, 2014

Lesson Objective:

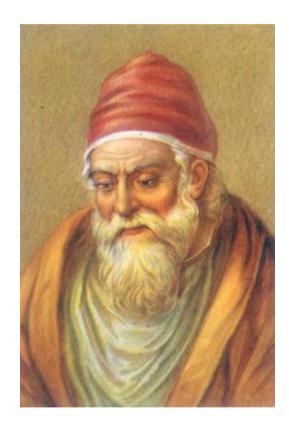
Students will be able to:

use Euclid's Ladder to find greatest common factors 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.

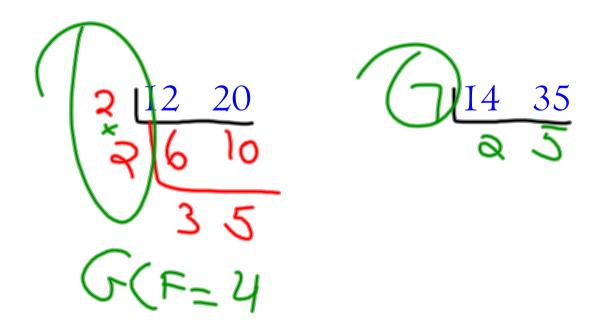
Euclid

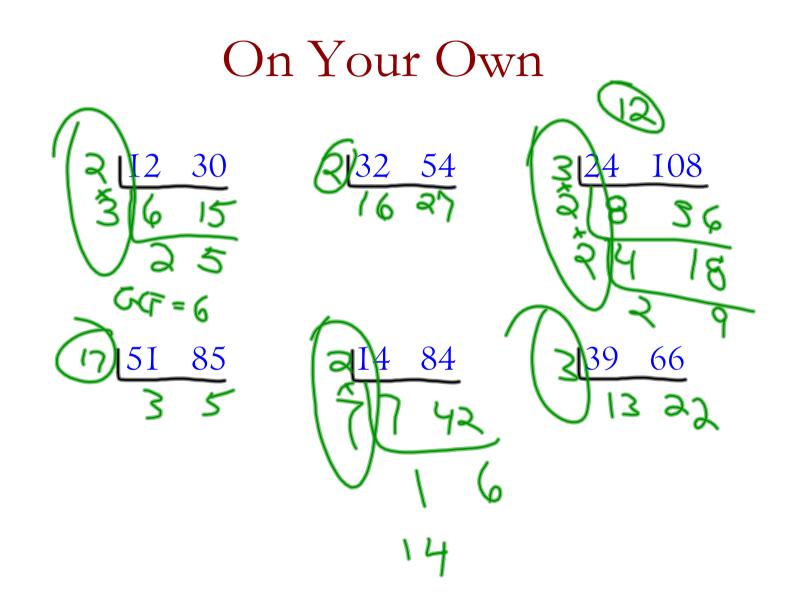


also known as Euclid of Alexandria, was a Greek mathematician, often referred to as the "Father of Geometry".

Greatest Common Factor 24-000,4,68,12,24 18-000, 4,68,12,24

Euclid's Ladder





0 15 22

Assignment

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

Lesson 1.5 October 8, 2014

Essential Question:

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Lesson 1.5

October 8, 2014

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Homework

No Homework