September 12, 2014 Period 5 Lesson 1.5

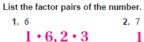
Learning Objective: Students will be able to use Euclid's Ladder to find greatest common factors of two numbers.

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

Warm Up Answers

Homework Answers

1.4 Record and Practice Journal



1 • 7

 $1 \cdot 10, 2 \cdot 5$

 $1 \cdot 16, 2 \cdot 8, \quad 1 \cdot 35, 5 \cdot 7$

 $1 \cdot 55, 5 \cdot 11$

Write the prime factorization of the number.

7. 9 3^2

 $2^3 \cdot 3$

 $2^3 \cdot 5$

10. 44

11. 50

12. 65

 $2^2 \cdot 11$

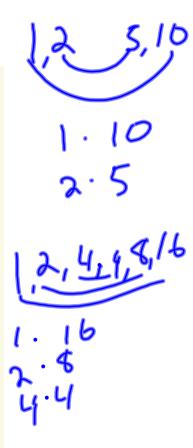
 $5 \cdot 13$

- 13. A fitness instructor arranges 30 people into rows. Each row has the same
 - 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

September 12, 2014

Essential Question:

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

Lesson 1.5

Lesson Objective:

Students will be able to:

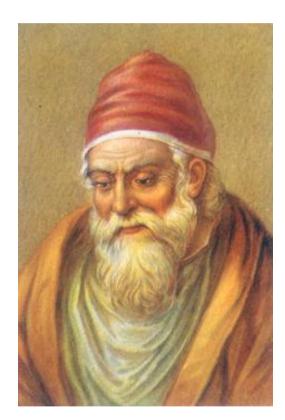
use Euclid's Ladder to find greatest common factors of two numbers.

Self-Evaluation Scale

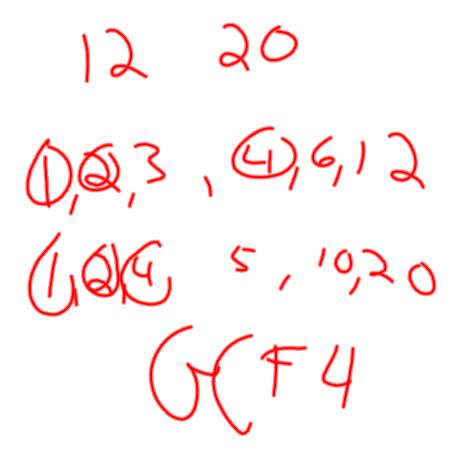
Score	Description
4	I can teach other students how to use Euclid's Ladder to find greatest common factors of two numbers.
3	I can use Euclid's Ladder to find greatest common factors of two numbers.
2	I recognize, but still need help to use Euclid's Ladder to find greatest common factors of two numbers.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

Euclid

(323-283 BC)

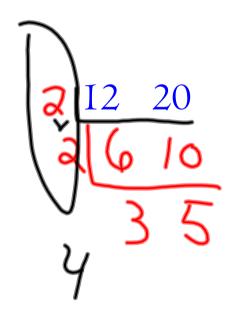


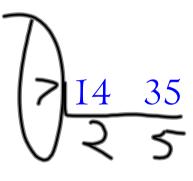
also known as Euclid of Alexandria, was a Greek mathematician, often referred to as the "Father of Geometry".

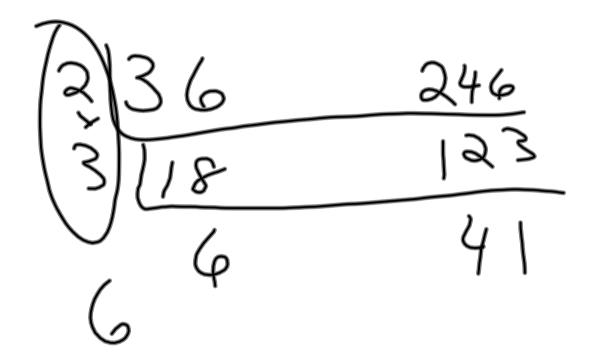




Euclid's Ladder

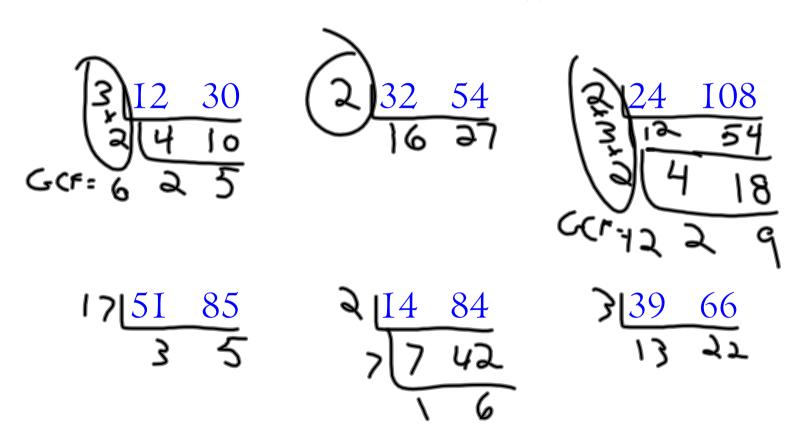






12 36

On Your Own



Lesson 1.5

September 12, 2014

Essential Question:

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

Lesson 1.5

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.
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Homework

In your Big Ideas Record and Practice Journal page 22.