

Name: _____

Date: _____

AIM: How do we find the *Greatest Common Factor (GCF)* of terms?

What does it mean for a number to be divisible by another?

Vocabulary

Factor:

Prime Number:

Composite Number:

Number	Factors	Prime/Composite
24		
41		
51		
89		

Special Numbers

Greatest Common Factor:

Find the <i>Greatest Common Factor</i> of the two numbers below.		
1.) 18 and 12	2.) 64 and 24	3.) 0.5 and 2
4.) $\frac{3}{4}$ and 16	5.) 5 and 25	

Relatively Prime:

<p>Steps to find the <i>GCF</i> of two terms:</p> <p>1.)</p> <p>2.)</p>

Find the <i>Greatest Common Factor</i> of the two terms below.		
6.) $5x$ and $25x$	7.) $5x^2$ and $25x$	8.) $5x^2$ and $25xy$
9.) $5x^2y$ and $25xy^2$		

Practice

Find the *GCF* of the two terms.

10.) $7x + 14$

11.) $22k$ and $34k^2$

12.) $32yz - 6xy$

13.) $14a^2b + 21b^2c$

14.) $16t^3$ and $24t^2w$

15.) $14ab$, $21bc$



- 1.) What is the GCF of 9 and 15?
- 2.) What is the GCF of $9x^2y^3$ and $15xy^5$?
- 3.) What is the difference between relatively prime and prime?