

Guided Practice

1. Lee is sewing vests using 16 green buttons and 24 blue buttons. All the vests are identical, and all have both green and blue buttons. What are the possible numbers of vests Lee can make? What is the greatest number of vests Lee can make? (*Explore Activity 1, Example 1*)

List the factors of 16 and 24. Then circle the common factors.

Factors of 16:								
Factors of 24:								

What are the common factors of 16 and 24? _____

What are the possible numbers of vests Lee can make? _____

What is the GCF of 16 and 24? _____

What is the greatest number of vests Lee can make? _____

Write the sum of numbers as a product of their GCF and another sum.

(*Explore Activity 2*)

2. $36 + 45$

What is the GCF of 36 and 45? _____

Write each number as a product of the GCF and another number.

Then use the Distributive Property to rewrite the sum.

$$\left(\square \times \square\right) + \left(\square \times \square\right) = \left(\square\right) \times \left(\square + \square\right)$$

3. $75 + 90$

What is the GCF of 75 and 90? _____

Write each number as a product of the GCF and another number.

Then use the Distributive Property to rewrite the sum.

$$\left(\square \times \square\right) + \left(\square \times \square\right) = \left(\square\right) \times \left(\square + \square\right)$$



ESSENTIAL QUESTION CHECK-IN

4. Describe how to find the GCF of two numbers.
