6.3 The Distributive Property & Common Factors

Use the Distributive Property to rewrite a sum as the product of the GCF of the numbers and a sum of two whole numbers with no common factor other than 1.

Numbers that have no common factor other than 1 are relatively prime.

Steps for Rewriting Using Distributive Property

1.) Find the greatest common factor (GCF) of the two addends (the numbers added together).

2.) Write each addend as a multiple of the GCF.

3.) Use the Distributive Property to write an equivalent expression with GCF as a factor.

Example: Use the Distributive Property and the GCF of the addends to rewrite each sum as an equivalent expression that has two factors.



Example: Use the Distributive Property to rewrite each product as the sum of two numbers.

