**DISTRIBUTED PROPERTY**

**Guided Practice**

After reviewing the Distributive Property with the students, present the following examples.

•Use the Greatest Common Factor to show use of the Distributive Property with the equation 36 + 8.

Factors of 36 = 2, 3, 4, 9, 12, 18

Factors of 8 = 2, 4

GCF of 36 & 8 is 4

So, take the 4 out of the equation to distribute it over the other factors.

36 + 8 = 4(9 + 2 ) *(because 4 x 9 = 36 and 4 x 2 = 8)*

 = (4 x 9) + (4 x 2)

 = 36 + 8

•Use the GCF to show use of the Distributive Property with the equation 32 + 64.

Factors of 32 = 2, 4, 8, 16

Factors of 64 = 2, 4, 8, 16, 32

GCF of 32 & 64 is 16

So, take the 16 out of the equation to distribute it over the other factors.

32 + 64 = 16 (2 + 4) *(because 16 x 2 = 32 and 16 x 4 = 64)*

 = (16 x 2) + (16 x 4)

 = 32 + 64