***Examples of Concepts in Module 3: Third Grade***

***Commutative Property of Multiplication*** states that changing the order of factors does not change the product.

Four groups of 2 is the same as two groups of 4, but one is more efficient. Students begin to apply this property when solving multiplication problems.

2 x 4 = 4 x 2

4 + 4 = 2 + 2 + 2 + 2

***Distributive Property of Multiplication*** states that the product of a number is equal to the sum of the individual products and the number.

I can use the distributive property to solve multiplication problems I don’t know more efficiently.

8 x 8 = ?

(8 x 4) + (8 x 4) = ?

32 + 32 = 64



The ***number bond*** is a pictorial representation of part-part-whole relationships and shows that within a part-whole relationship, smaller numbers (the parts) make up larger numbers (the whole).