The **DISTRIBUTIVE PROPERTY**

Equivalent Expressions using the **DISTRIBUTIVE PROPERTY**

The <u>Factored</u> form is written as:a(b + c)

The Factored form is EQUIVLANT (=) to the Expanded form below.

Expanded Form shown here:

Example:

7 X 132 =
$$7(100 + 30 + 2)$$
 Factored form
= $7(100) + 7(30) + 7(2)$ Expanded form
= $700 + 210 + 14$
= 924

Algebra	Example
a(b + c) = a(b) + a(c)	9(4+5) = 9(4) + 9(5)
	Factored form = Expanded form
a(b - c) = a(b) - a(c)	5(8-2) = 5(8) - 5(2)
	Factored form = Expanded form