Important Property Foldable

Commutative Property

For Addition: A + B = B + A

For Multiplication: A x B = B x A

Associative Property

For Addition: (a + b ) + c = a + (b +c)

For Multiplication: (a x b)(c) = (a) (b x c)

Distributive Property

A ( B + C) = ( A x B) + ( A x C)

Identity Property

For Addition: A + 0 = A

For Multiplication: 1(A)=A

Additive Inverse

A (-A) = 0

Multiplicative Inverse

A ( 1/A) = 1