

<b>Cornell Notes</b>	Name: _____
Topic: <b><u>The Distributive Property Lesson 3.4</u></b>	Date: _____
	Period: _____

Essential Question: **How do you use mental math to multiply two numbers?**

Questions/Main Ideas:	Notes:	
<b>Vocabulary</b>	<b>Distribute</b> - to give something to each person in a group	
	<b>Like terms</b> - terms that have the same variables or constants	
<b>Property</b>	<b>Distributive Property</b> - to multiply a sum or difference by a number by the number outside the parentheses. Then evaluate.	
<b>Example</b>	<b>Numbers</b>	<b>Algebra</b>
	$3(7 + 2) = 3 \times 7 + 3 \times 2$	$a(b + c) = ab + ac$
	$3(7 - 2) = 3 \times 7 - 3 \times 2$	$a(b - c) = ab - ac$
	<b>Simplifying Algebraic Expressions</b>	
<b>Example</b>	a.) $4(n + 5)$	b.) $12(2y - 3)$
	c.) $9(6 + x + 2)$	
	<b>Combining Like Terms</b>	
<b>Example</b>	a.) $3x + 9 + 2x - 5$	b.) $y + y + y$

	c.) $7z + 2(z - 5y)$	
<b>WE DO!</b>	7.) $7(a + 2)$	8.) $3(d - 11)$
	9.) $7(2 + 6 - 4d)$	11.) $8 + 3z - z$
	12.) $3(b + 5) + b + 2$	

**Summary: Students should write a summary reflecting the above essential question.**