6.7b Equivalent Expressions (6.EE.2, 6.EE.2b, and 6EE.4)

	Properties and Vocable	ulary	
2	Term - each part of an expression separated by an addition or subtraction sign. 2x+3+5x (3 terms)		
	Coefficient - the numb	per multiplied to aVanabl	e (letter) Sp
	Constant - a term without a variable. (letter by itself) 8		
	<u>Like Terms</u> - terms that contain the <u>Same</u> variable.		
	0	5x 3x	
Guided Practice: Simplify each expression.		like terms	* can't add x and y together / so
1.) 5(6x))	2.) (2x)+ 5y + (7x)	can only get rid 3.) 4(2x + 5y) of 4
O	30 X	9X+54	
Factor - Pull out a 4.) Factor 35x + 28y = 7		factor!	8x+20y
)	<i>y</i> 1	7(5x+4y)	

5.) Mikayla bought five skirts at \$x each. Three of the five skirts came with a matching top for an additional \$9 each. Write and simplify an expression that represents the total cost of her purchase.

5x + 3.9 = 5x + 27

6.) The gift bag from Claire Cosmetics includes 5 bottles of nail polish and 2 tubes of lip gloss: Use p to represent the cost of each bottle of nail polish and g to represent the cost of each tube of lip gloss. Write and simplify an expression that represents the total cost of 8 gifts bags.

Building on the essential question - How can properties help to write equivalent algebraic expressions?

operties and combine like terms

Rate Yourself - Are you ready to move on? Shade the section that applies.

