Name	e	Class	Date		3-2
Rewriting Expressions					COMMON CORE
Essential question: How can you rewrite expressions to help you solve problems?					
A percent increase is also known as a markup and a percent decrease is also known as a discount, or markdown.					t, CC.7.EE.2 CC.7.RP.3
1	EXPLORE	Calculating Mark	ups		
To make a profit, a store manager must mark up the prices on the items he sells. A sports store buys skateboards from a supplier for s dollars. The store's manager decides to mark up the price for retail sale by 42%.					
	A The marku	p is 42% of the price	, <i>S</i> .		
	B Find the amount of the markup. Use a bar model.				
	0.42	15			
	The white	8+0.45 bar represents the cost of	the skateboard,		
	The grey section is 42% of 5 . This can be written as a decimal, $0,42$.				
	Retail price		23	price.	
Į.		combine like terms in the $e = \frac{1.428}{1.000}$	- 11707	e retail price as a single term $(1.42) = 142$	L
			orice as the sum of two	terms? What are the benefit	s of writing the price
	IT SHO	ws us ruts	DRIGINAL	PRICE AND	MARK-UP

ONE TERM ACCOUS US TO GET THE SALE PRICE

1b. What If? The markup is changed to 34%; how does the expression for the retail price change?

ET CHANGES THE PRICE TO A LOWER VALUE