Unit	3:	Solvi	ng E	quat	ions		
Distr	٠ib	utive	prop	perty	//CLT	Class	Notes

Name	
Date	Period

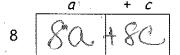
## Simplifying by Distributive Property /Combining Like Terms

The distributive property is used when a number is in front of the parenthesis.

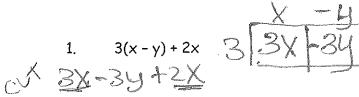


\*Make sure you multiply everything in the parenthesis by the number outside.

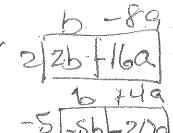
Or you can use the BOX method:



\*\*After distributing, you then need to simplify by combining all like terms (on each side of the = sign for equations)

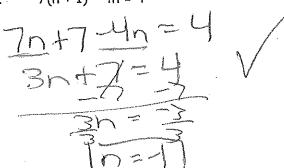






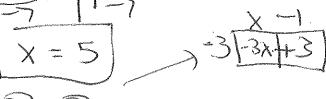
## Solving - Distributive Property

7(n + 1) - 4n = 4

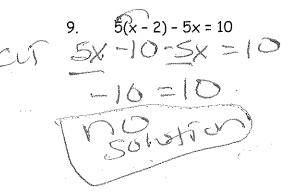


7. 
$$8 = 3 + 5(y - 2)$$

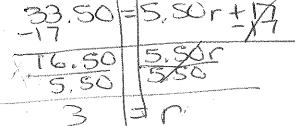
6. 
$$-7(x-3) = -14$$
  
 $-7x + 21 = -1x$ 



2(x-3)-3(x-1)=-5



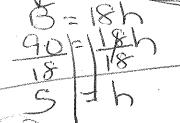
11. The cost,c, of the state fair is given by the formula c = 5.50r + 17, where r is the number of rides ridden. If Jess spent \$33.50 at the fair, how many rides did he ride?





12. Cindy is making friendship bracelets at a rate of 18 bracelets in one hour. At that rate, how many hours will it take her to make 90 bracelets?

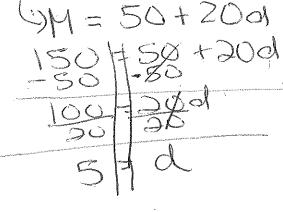
B. bracelet



15 hors

13. Judith had saved \$150 to go to summer camp. If it costs \$50 to register for the camp and they charge \$20 per day for room and board, how many days can she spend at camp?

money= M days = of



50ays