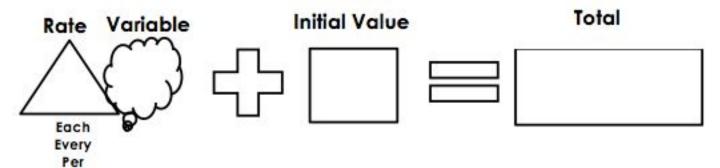
de la Cruz Algebra 1

Writing and Solving Equations

Line	-	<u>uations</u> are written in the form:	
	a.)	y, m, and b represent	
	b.)	x remains as a variable and represents the	
	c.)	When graphed, linear equations from a	_ line
		because a constant amount if either being added or subtracted.	
<u>Ste</u>	ps:		
		1	
		2	
		3	
		Λ	

Examples:

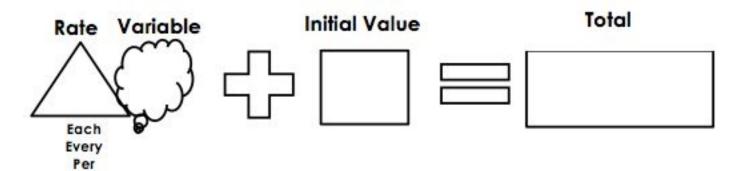
Example 1: Samuel has \$1900 in the bank. He wishes to increase his account to a total of \$2500 by depositing \$30 per week from his paycheck. Write and solve an equation to find how many weeks he needs to save in order to reach his goal.



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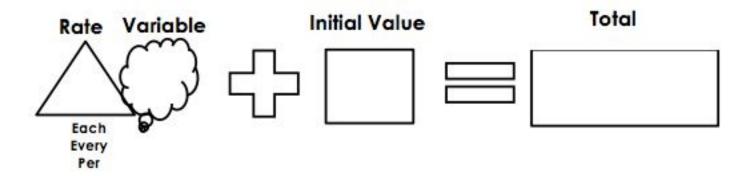
Example 2: The Pet Supply Store has the following items for sale listed in the table to the right. Caroline spent \$68.00. She purchased a leash and some t-shirts. How many t-shirts was she able to purchase?

Item	Cost
Collar	\$4.50
Chew Bone	\$3.00
Doggy T-Shirt	\$6.25
Leash	\$5.50
Frisbee	\$3.25



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Your Turn #1: A cell phone plan costs \$39.95 plus \$0.35 per minute. If your bill costs \$69.70, how many minutes were used throughout the month?



Your Turn #2: Casey has a small business making dessert baskets. She estimates that her fixed weekly costs for rent and electricity are \$200. The ingredients for one dessert basket cost \$2.50. If Casey made 40 baskets this past week, what were her total weekly costs? Her total costs for the week before were \$562.50. How many dessert baskets did she make the week before?

